MACHINE TYPE 1411 SERIAL # 00000 04-08-63

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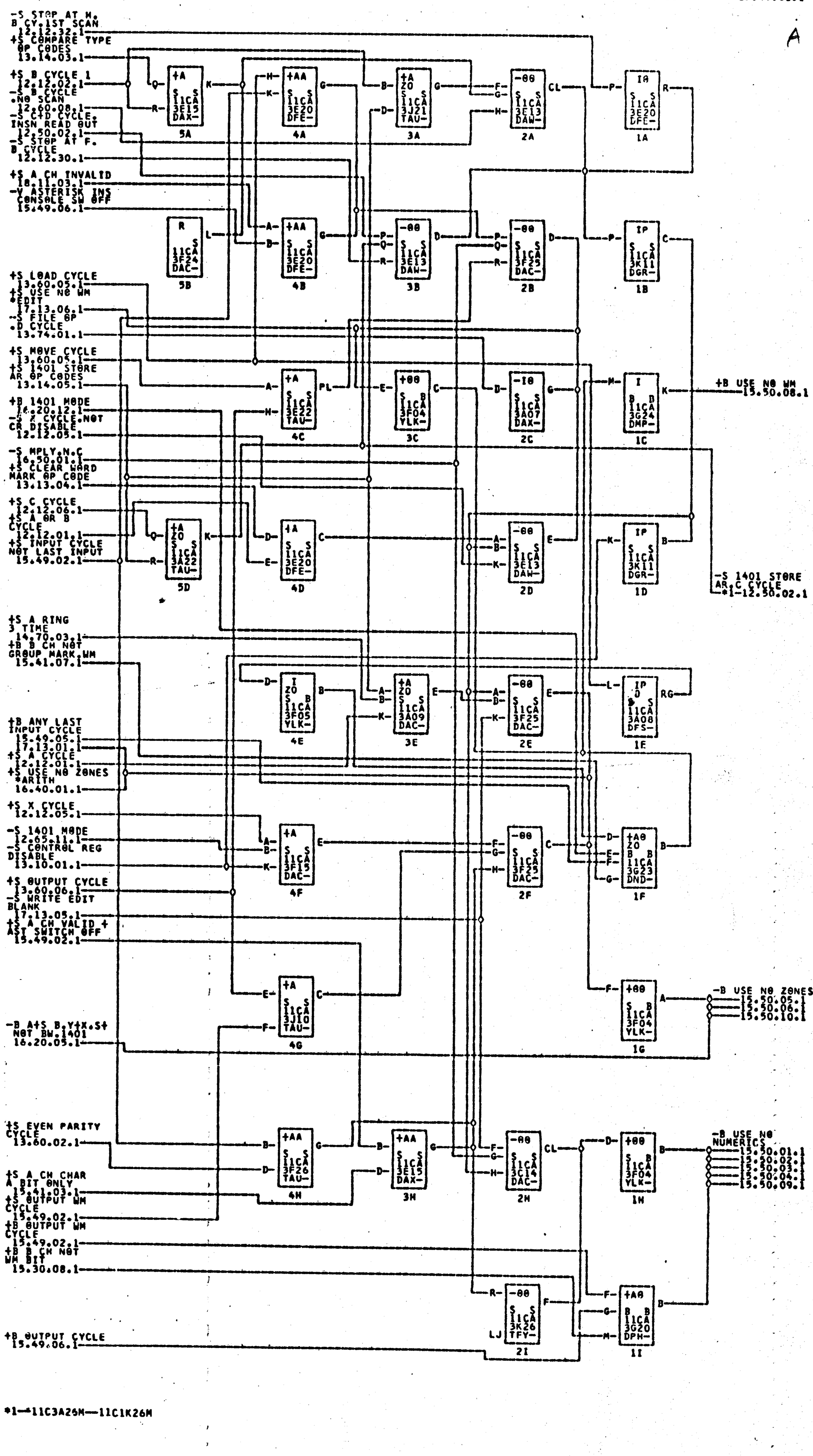
LOGIC NO.	DESCRIPTION	PART NO	ENG CHG	ECR NO	SF B/
SYSTEM DIAGRAMS VOLUME 7					
15.49.01.1	BLANK ASSEMBLY CONTROL	0761810	250185		
15.49.02.1	A CHANNEL ASSEMBLY CONTROL	0761811	251829		
15.49.03.1	A CHANNEL ASSEMBLY CONTROL	0761812	249906		
15.49.04.1	B CHANNEL ASSEMBLY CONTROL	0761813	251783		
15.49.05.1	B CHANNEL ASSEMBLY CONTROL	0761814	251801		
15.49.06.1	SPECIAL CHARACTERS ASSEMBLY CNTR	0761815	251801		
15.50.01.1	NUM ASSY 1 & NOT 1 BITS	0351835	250785		
15.50.02.1	NUM ASSY 2 & NOT 2 BITS	0351836	250785		
15.50.03.1	NUM ASSY 4 & NOT 4 BITS	0351837	250785		
15.50.04.1	ZONE ASSY A & NOT A BITS	0351838	250785		
15.50.05.1	ZONE ASSY B & NOT B BITS	0351839	250785		
15.50.06.1	ZONE ASSY B & NOT B BITS	0351840	250785		
15.50.07.1	ZONE ASSY B & NOT B BITS	0351841	250785		
15.50.08.1	ASSY WORD MARK BITS	0351842	250785		
15.50.09.1	ASSEMBLY NUMERIC C BITS	0761824	250717		
15.50.10.1	ASSEMBLY ZONE C BITS	0761825	249906		
15.55.01.1	E CH UNIT NUMBER REGISTER	0762118	249906		
15.55.02.1	E CH UNIT NUMBER REGISTER	0762119	249906		
15.55.04.1	E CH UNIT NUMBER DECODE	0762120	250795		
15.55.05.1	E CH UNIT NUMBER DECODE	0762121	250795		
15.55.06.1	EACH UNIT NUMBER DECODE	0762122	250771		
15.55.08.1	E CHAN UNIT SEL REG	0762123	250785		
15.55.09.1	E CH UNIT SELECT REGISTER	0762124	251824		
15.56.01.1	F CH UNIT NUMBER REGISTER	0762181	249906		
15.56.02.1	F CH UNIT NUMBER REGISTER	0762182	249906		
15.56.04.1	F CH UNIT NUMBER DECODE	0762183	251143		
15.56.05.1	F CH UNIT NUMBER DECODE	0762184	250785		
15.56.06.1	F CH UNIT NUMBER DECODE	0762185	250785		
15.56.08.1	F CH UNIT SELECT REGISTER	0762186	251824		
15.56.09.1	F CH UNIT SELECT REGISTER	0762187	251824		
15.60.01.1	E CH INPUT SWITCHING 1 BIT	0761826	251839		
15.60.02.1	E CH INPUT SWITCHING 2 BIT	0761827	251839		
15.60.03.1	E CH INPUT SWITCHING 4 BIT	0761828	251839		
15.60.04.1	E CH INPUT SWITCHING 8 BIT	0761829	251839		
15.60.05.1	E CH INPUT SWITCHING A BIT	0761830	251839		
15.60.06.1	E CH INPUT SWITCHING B BIT	0761831	251839		
15.60.07.1	E CH INPUT SWITCHING C BIT	0761832	251839		
15.60.08.1	E CH INPUT SWITCHING WM BIT	0761833	251824		
15.60.09.1	CONSOLE WM INPUT	0761834	250785		
15.60.21.1	E CH REGISTERS 1 BIT	0761835	249906		
15.60.22.1	E CH REGISTERS 2 BIT	0761836	249906		
15.60.23.1	E CH REGISTERS 4 BIT	0761837	249906		
15.60.24.1	E CH REGISTERS 8 BIT	0761838	249906		
15.60.25.1	E CH REGISTERS A BIT	0761839	249906		
15.60.26.1	E CH REGISTERS B BIT	0761840	249906		
15.60.27.1	E CH REGISTERS C BIT	0761841	249906		
15.60.28.1	E CH REGISTERS WM BIT	0761842	249906		
15.60.31.1	E CH LINE DRIVERS	0761843	251839		
15.60.32.1	E CH LINE DRIVERS	0761844	251839		
15.60.33.1	E CH LINE DRIVERS	0761845	251839		
15.60.34.1	E CH LINK DRIVERS	0761846	251839		
15.62.01.1	E CH I/O STORAGE	0762125	251772		
15.62.02.1	E CHANNEL M-L STORAGE	0762126	250785		
15.62.03.1	E CH REGISTER TRANSFER CTRLS	0761871	251839		
15.62.04.1	E CH REGISTER TRANSFER CTRLS	0761872	250786		
15.62.05.1	E CH REGISTER TRANSFER CTRLS	0761873	250785		
15.62.06.1	E CH DATA FLOW CTRL	0761874	249906		
15.62.07.1	E CH DATA FLOW CONTROLS	0761875	250753		
15.62.08.1	GATE CONSOLE TO ASSEMBLY	0761876	249906		
15.63.01.1	F CHANNEL IO STORAGE	0762188	251772		
15.63.02.1	F CHANNEL M-L STORAGE	0762189	251824		
15.63.03.1	F CH REGISTER TRANSFER CTRLS	0762190	251824		
15.63.04.1	F CH REGISTER TRANSFER CTRLS	0762191	251824		
15.63.05.1	F CH REGISTER TRANSFER CTRLS	0762192	250785		
15.70.01.1	F CH INPUT SWITCHING 1 BIT	0762193	251143		
15.70.02.1	F CH INPUT SWITCHING 2 BIT	0762194	250786		

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LOGIC NO.	DESCRIPTION	PART NO	ENG CHG	ECR NO	SF B/
SYSTEM DIAGRAMS					
VOLUME 7					
15.70.03.1	F CH INPUT SWITCHING 4 BIT	0762195	251143		
15.70.04.1	F CH INPUT SWITCHING 8 BIT	0762196	251143		
15.70.05.1	F CH INPUT SWITCHING A BIT	0762197	251179		
15.70.06.1	F CH INPUT SWITCHING B BIT	0762198	251179		
15.70.07.1	F CH INPUT SWITCHING C BIT	0762199	251824		
15.70.08.1	F CH INPUT SWITCHING WM BIT	0762200	251099		
15.70.21.1	F CH REGISTERS 1 BIT	0762201	251143		
15.70.22.1	F CH REGISTERS 2 BIT	0762202	251143		
15.70.23.1	F CH REGISTERS 4 BIT	0762203	251143		
15.70.25.1	F CH REGISTERS A BIT	0762205	251143		
15.70.26.1	F CH REGISTERS B BIT	0762206	251143		
15.70.27.1	F CH REGISTERS C BIT	0762207	251143		
15.70.28.1	F CH REGISTERS WM BIT	0762208	249906		
15.70.31.1	F CH LINE DRIVERS 4 2 AND 1 BITS	0762209	250785		
15.70.32.1	F CH LINE DRIVERS B A AND 8 BITS	0762210	250785		
15.70.33.1	F CH LINE DRIVERS C AND WM BITS	0762211	250755		

A



1

COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773									

A

-S STD A CYCLE
ØP S.A CYCLE
13.14.06.1

+S DATA MOVE
ØP CODE
13.13.05.1

+S B CYCLE 1
12.12.02.1

+S ØP MØD
REG 4 BIT
13.12.02.1

-S I CYCLE
12.12.04.1

+S LOAD CYCLE
13.60.05.1

-S CONTROL REG
DISABLE
13.10.01.1

+S BLØCK USE A
CH WM
15.41.12.1

-V ASTERISK INS
CONSOLE SW ØFF
15.49.06.1

-S A CH VALID
18.11.03.1

+S INPUT CYCLE
13.60.06.1

-S F CH ØUTPUT
WM CYCLE•1414•
24.00.04.1-•3

-S E CH LAST
INPUT CYCLE
13.63.02.1

-S F CH LAST
INPUT CYCLE
13.66.03.1

+S E CYCLE
12.12.66.1

+S E CH SELECT
UNIT 2
13.50.03.1

+S E CH UNIT
NUMBER 1
15.55.04.1

-00 S S 11CA 3F26 TAU- 2B

+A S S 11CA 3E23 DAC- 3C

I B B 11CA 3G19 DMU- 1C

+B USE A CH WM
15.50.08.1

+A S S 11CC 3F24 DAC- 3D

-00 S S 11CA 3E23 DAC- 2D

I S B 11CA 3F04 YLK- 1D

-0 S S 11CA 3H10 TAU- 5E

+S A CH VALID + AST SWITCH ØFF
15.49.03.1
15.49.01.1

NØTE
-00 S S 11CB 3E21 TFY- 4G

IP S S 11CB 3C19 DGR- 5G

I S B 11CB 3F04 YLK- 2G

+B ØUTPUT WM CYCLE
15.49.01.1
15.49.06.1

+A S S 11CA 3F22 DEQ- 5H

IP S S 11CA 3F22 DEQ- 4H

I S S 11CB 3K26 TFY- 3H

+S ØUTPUT WM CYCLE
15.49.01.1

+S INPUT CYCLE• NØT LAST INPUT
15.49.01.1
15.49.06.1
15.49.03.1
•1-15.62.05.1
•2-15.63.05.1

+A B1 S S 11CB 3H25 DAC- 5I

•1—11C3A27R—11C4A02R •2—11C3A27R—11C4A02R—11C4G28G—11D3G01G—11D3G28G—11D4G01G •3—11C7U31L—11C3215C

COMMENTS
NØTE WIRED IN FØR 1414
2ND CH ØNLY

TAG	DATE	E.C.NØ.	TAG	DATE	E.C.NØ.	TAG	DATE	E.C.NØ.	TAG	DATE	E.C.NØ.
A	06-13-62	251773	B	08-30-62	251812	C	12-19-62	251829			

A

-S STD A CYCLE
OPS.A CYCLE
13.14.06.1

+S USE A CH
ZONES *EDIT
17.13.01.1

+S OP MOD REG
2 BIT
13.12.03.1

-S CONTROL REG
DISABLE
13.10.01.1

+S I CYCLE 1
12.12.04.1

-S 1401.I RING
5+10 TIME.I CY
14.18.05.1

+S INPUT CYCLE.
NOT LAST INPUT
15.49.02.1

+S A CH VALID +
AST SWITCH OFF
15.49.02.1

-S A CH CHAR
NOT A BIT
15.41.03.1

-S ODD PARITY
CYCLE
13.40.02.1

+S B CYCLE 1
12.12.02.1

+S DATA MOVE
OP CODE
13.13.05.1

-S RA+RS.B.U+Y.
1401
16.20.03.1

-S G OP.C CYCLE
15.49.04.1

+S OP MOD REG
1 BIT
13.12.03.1

-S I CYCLE
12.12.04.1

+S EDIT USE
A CH NU
17.13.01.1

-S 1401 H+Q.
A CYCLE
15.49.04.1

-00 S S 11CA 3E24 DFE- 2A

+A S S 11CA 3H14 DAC- 4B

+A S S 11CA 3E22 TAU- 4C

-0 S S 11CA 3E24 DFE- 4D

+A S S 11CA 3H14 DAC- 3D

D S S 11CA 3C17 DFK- 1B

+S USE A CH ZONES
15.50.05.1
15.50.06.1
15.50.10.1

-00 S S 11CA 3E24 DFE- 2C

-00 S S 11CA 3H24 DAC- 2E

+A S S 11CA 3H14 DAC- 4F

-A0 S S 11CA 3H20 DFE- 2F

D S S 11CA 3F23 DFK- 1F

+S USE A CH NU
15.50.01.1
15.50.02.1
15.50.03.1
15.50.04.1
15.50.09.1

I S S 11CA 3E24 DFE- 4G

-00 S S 11CA 3H20 DFE- 2G

1

COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773									

A

+S LOAD CYCLE 13.60.05.1 — B
+S OUTPUT CYCLE 13.60.06.1 — D
+A S S 11CA 3H10 TAU- — 4B — G

I S B 11CA 3F04 YLK- — 2B — Q — G
-0 B B 11CA 3G18 DMS- — 1B — A, F — E — +B USE B CH WM 15.50.08.1

+S DATA MOVE OP CODE 13.13.05.1 — A
+S B CYCLE 1 12.12.02.1 — B
+S OP MOD REG NOT 4 BIT 13.12.02.1 — K
+A S S 11CA 3F24 DAC- — 4C — E

-00 S S 11CD 3F24 DAC- — 2C — F, G, H — C

+S STORE ADDR REGS OP CODE 13.13.07.1 — E
+S C CYCLE 12.12.06.1 — F
-S EDIT SKID CYCLE 17.13.15.1
+A S S 11CA 3H10 TAU- — 4D — C

-S G OP.C CYCLE 15.49.03.1, 15.49.05.1

+S NO+1ST+2ND +3RD SCAN 12.30.09.1 — P
+S ARITH TYPE OP CODES 13.14.02.1 — Q
+S B OR D CYCLE 12.12.07.1 — R
-S INTERRUPT. B CYCLE 19.10.04.1
+A S S 11CA 3F15 DAC- — 4E — D

-00 S S 11CA 3E25 DFE- — 2E — H, K, L — G

+S 1401 STORE AR OP CODES 13.14.05.1 — E
+S A CYCLE 12.12.01.1 — F
+A ZO S S 11CA 3A24 TAU- — 4F — C

-S 1401 M+C. A CYCLE 15.49.03.1

+S MOVE CYCLE 13.60.05.1 — P
+S INPUT CYCLE 13.60.06.1 — Q
-S F CYCLE 12.12.67.1
-B ANY LAST IN CYCLE NOT 1401 15.49.05.1
+A S S 11CA 3E25 DFE- — 4G — R

-00 S S 11CA 3E25 DFE- — 2G — A, B — G

+S E CYCLE 12.12.66.1 — A
+S E CH SELECT UNIT 2 13.50.03.1 — B
+S E CH UNIT NUMBER 0 15.55.04.1 — K
+S OUTPUT FIELD CYCLE*1414* — *1
+A S S 11CA 3H24 DAC- — 4H — E

-00 S S 11CB 3H24 DAC- — 2H — P, Q, R — D — +S OUTPUT FIELD CYCLE 15.49.05.1

-S E CH SELECT UNIT 2 13.50.03.1 — E
+A S S 11CA 3E25 DFE- — 4I — D — C

*1—11C7U31M--11C3Z15D

1 COMMENTS
NOTE WIRE TO M24P IS DELETED FOR 1414 2ND CH

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773	B	08-30-62	251812	C	12-19-62	251829	D	04-30-64	253468

4

-S ODD PARITY CYCLE 13.60.02.1
+B OUTPUT CYCLE 15.49.06.1
+S OUTPUT CYCLE 13.60.06.1
-B B CH NOT BLANK 15.41.04.1
+S OUTPUT FIELD CYCLE 15.49.04.1
-S LB.B CYCLE BODY-LATCH 14.18.21.1
+S OP MOD REG NOT 2 BIT 13.12.03.1
+S B CYCLE 1 12.12.02.1
-S INPUT CYCLE 13.60.06.1
+S DATA MOVE OP CODE 13.13.05.1
+B B CH GROUP MARK WM 15.41.07.1
-S G OP.C CYCLE 15.49.04.1
+S 1401 CARD PRINT IN PROC 13.70.02.1
-S FILE OP.D CYCLE 13.74.01.1
+S I-O GRP MK WM STOP CTRL 13.65.04.1
-S INTERRUPT. B CYCLE 19.10.04.1
+S USE B CH ZONES*ARITH 16.40.01.1-*3
-S STORE B CH CHARACTER 17.13.03.1
-B USE B CH NU* ARITH 16.40.02.1-*4
+S WORD MARK OP CODES 13.14.05.1
+S A OR B CYCLE 12.12.01.1
+S OP MOD REG NOT 1 BIT 13.12.03.1
-S E CH FILE NO TRANSFER BUS 13.72.04.1
-S LB.B CYCLE 3RD SCAN.UNITS 14.18.21.1
+S M OR L OP CODES 13.14.05.1
+B 1401 MODE 16.20.12.1
+S ANY LAST INPUT CYCLE 13.63.02.1
+B B CH NOT GROUP MARK WM 15.41.07.1

5A I S B 11CA 3F03 YLK-
4A I B B 11CA 3B07 DND-
3A -0 B B 11CA 3G18 DMS-
2A +A B B 11CA 3G16 DMR-
1A -0 B B 11CA 3G24 DMP-
+B USE B CH ZONES 15.50.05.1 / 15.50.06.1 / 15.50.10.1

5B I S B 11CA 3F03 YLK-
4B I B B 11CA 3G19 DMU-
3B -00 S S 11CA 3B21 DFE-
2B I S B 11CA 3F03 YLK-

5C I S B 11CA 3F02 YLK-
4C +A S S 11CA 3C23 DES-
3C -00 S S 11CA 3B21 DFE-

5D I S B 11CA 3F02 YLK-
4D +A B B 11CA 3G24 DMP-
2D I B B 11CA 3G22 DMU-
1D I B S 11CA 3E06 YLE-
-S INPUT CYCLE GRP MK WM INSRT *1-18.11.03.1 / *2-12.50.02.1

5E I S B 11CA 3F02 YLK-
4E I B B 11CA 3G22 DMU-
2E -00 S S 11CA 3H17 TFY- LJ
1E -00 S S 11CA 3H17 TFY- LJ

5F +A S S 11CA 3H20 DFE-
4F -00 S S 11CA 3B23 DAW-
2F I S B 11CA 3F03 YLK-
1F -0 B B 11CA 3G20 DPH-
+B USE B CH NU 15.50.01.1 / 15.50.02.1 / 15.50.03.1 / 15.50.04.1 / 15.50.09.1

5G +A S S 11CA 3H20 DFE-
4G +A S S 11CA 3C22 DES-
3G -00 S S 11CA 3H13 DAC-
2G R B 11CA 3G09 DPV-
1G R D 11CA 3G10 DPV-

5H I ZO S B 11CA 3F05 YLK-
4H +A B B 11CA 3G20 DPH-
3H I S B 11CB 3F05 YLK-
2H I B B 11CB 3B13 DMS-
1H R B 11CA 3G07 DPV-
-B ANY LAST IN CYCLE NOT 1401 15.49.04.1

5I I S B 11CA 3F02 YLK-
4I +A ZO B B 11CA 3G23 DND-
3I I ZO B B 11CA 3G23 DND-
2I IP S S 11CA 3C19 DGR-
+B ANY LAST INPUT CYCLE 15.49.01.1

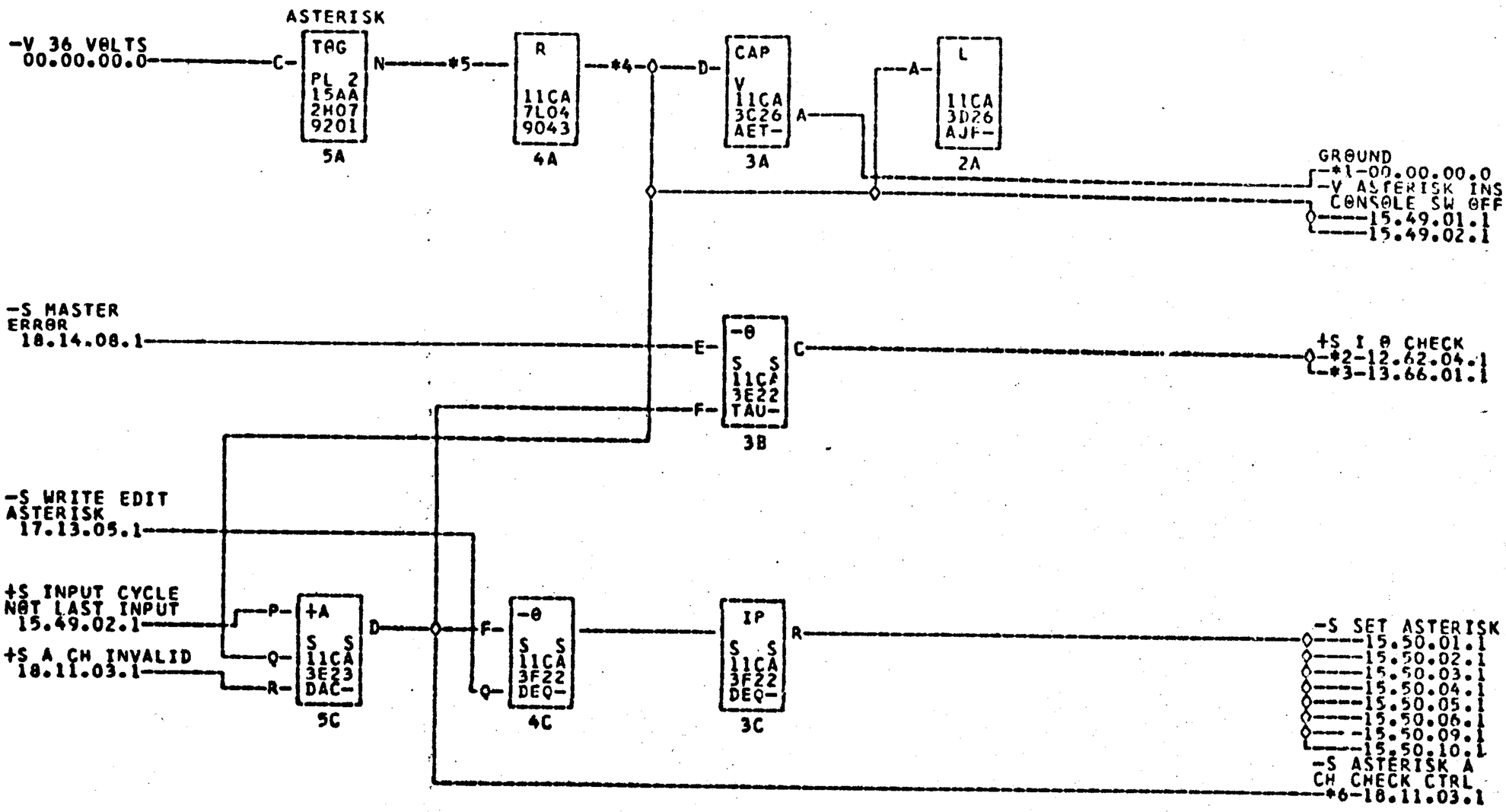
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COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773	B	11-20-62	251850						

1

4

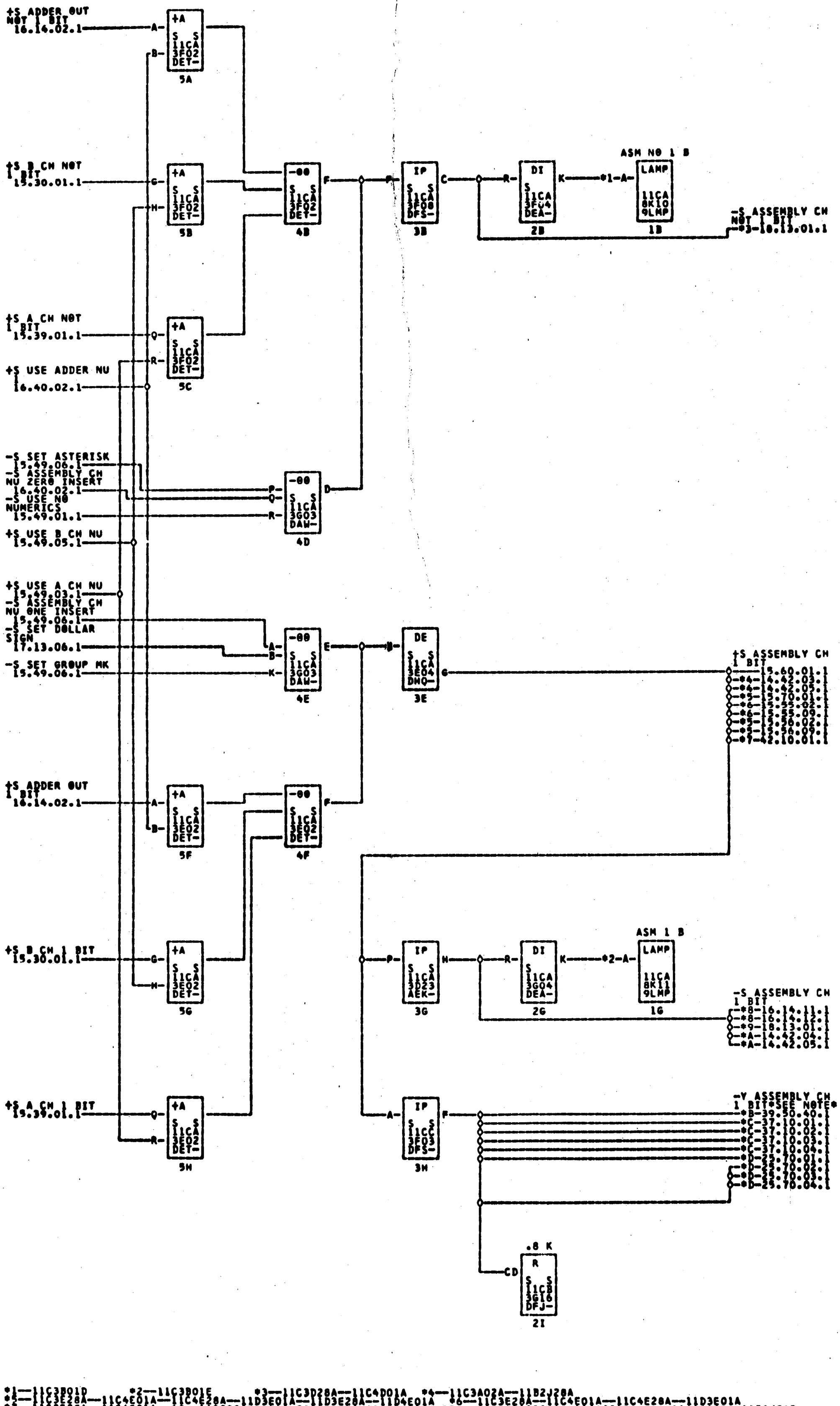


*1—11C3C25J *2—11C3J28H—11C4J01H—11C4F27C—11D3F02C
*3—11C3J28H—11C4J01H—11C4F27C—11D3F02C—11D3F27C—11D4F02C *4—11C7L04R—11C3K22K— *5—15A4A06R—15A4A05R—
*6—11C3J28K—11C4J01K—11C4H27N—11D3H02N—11D3A11D—11D1K11D—11D1H28M—11D2H01M

COMMENTS

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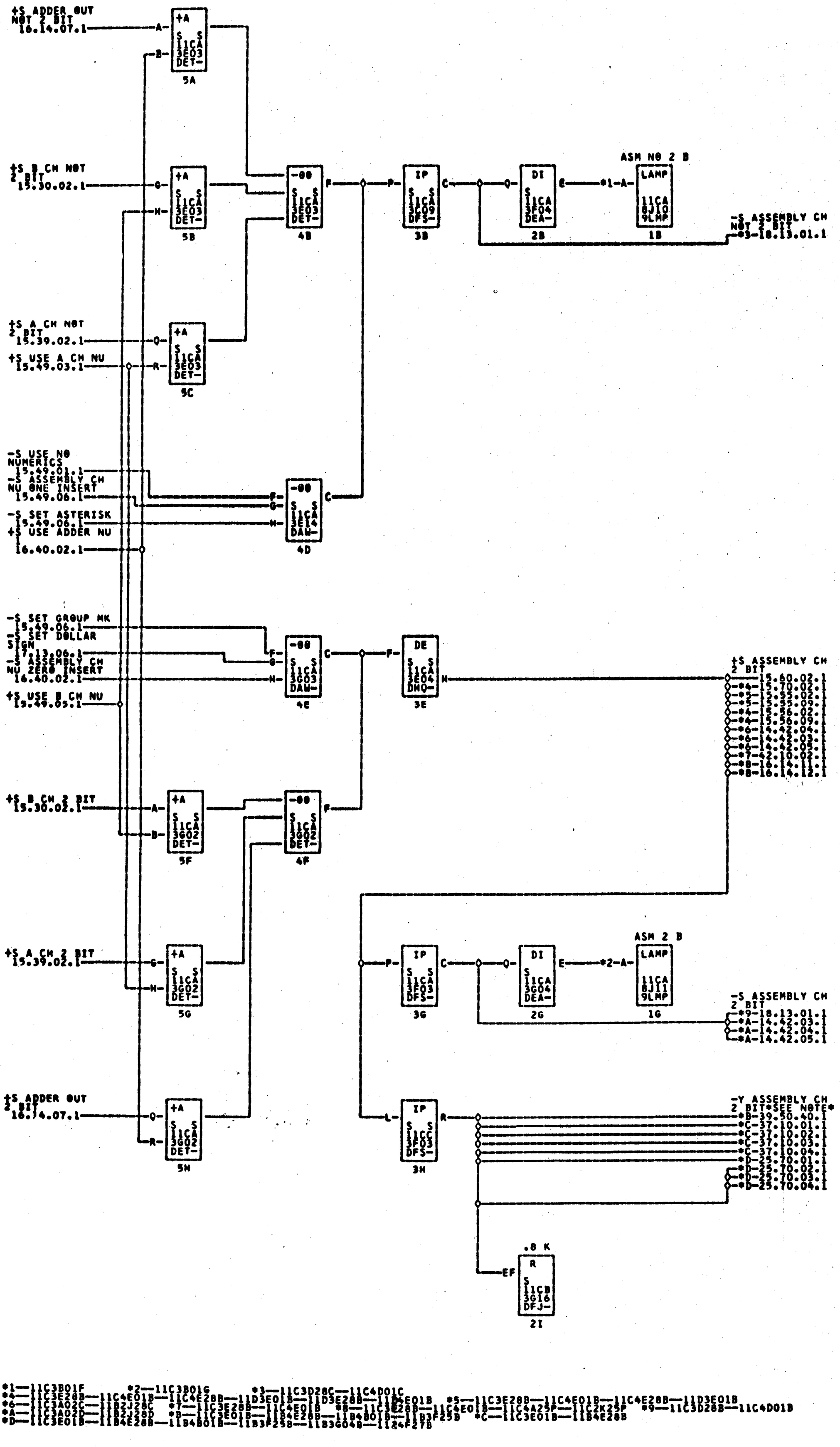
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A	06-13-62	251773	B	11-28-62	251850						



*1—11C3B01D *2—11C3B01E *3—11C3D28A—11C4D01A *4—11C3A02A—11B2J28A
*5—11C3E28A—11C4E01A—11C4E28A—11D3E01A—11D3E28A—11D4E01A *6—11C3E28A—11C4E01A—11C4E28A—11D3E01A
*7—11C3E28A—11C4E01A *8—11C3C28R—11C4C01R—11C4A25N—11C2K25N *9—11C3C28R—11C4C01R *A—11C3A02B—11B2J28B
*B—11C3E01A—11B4E28A—11B4B01A—11B3F25A *C—11C3E01A—11B4E28A
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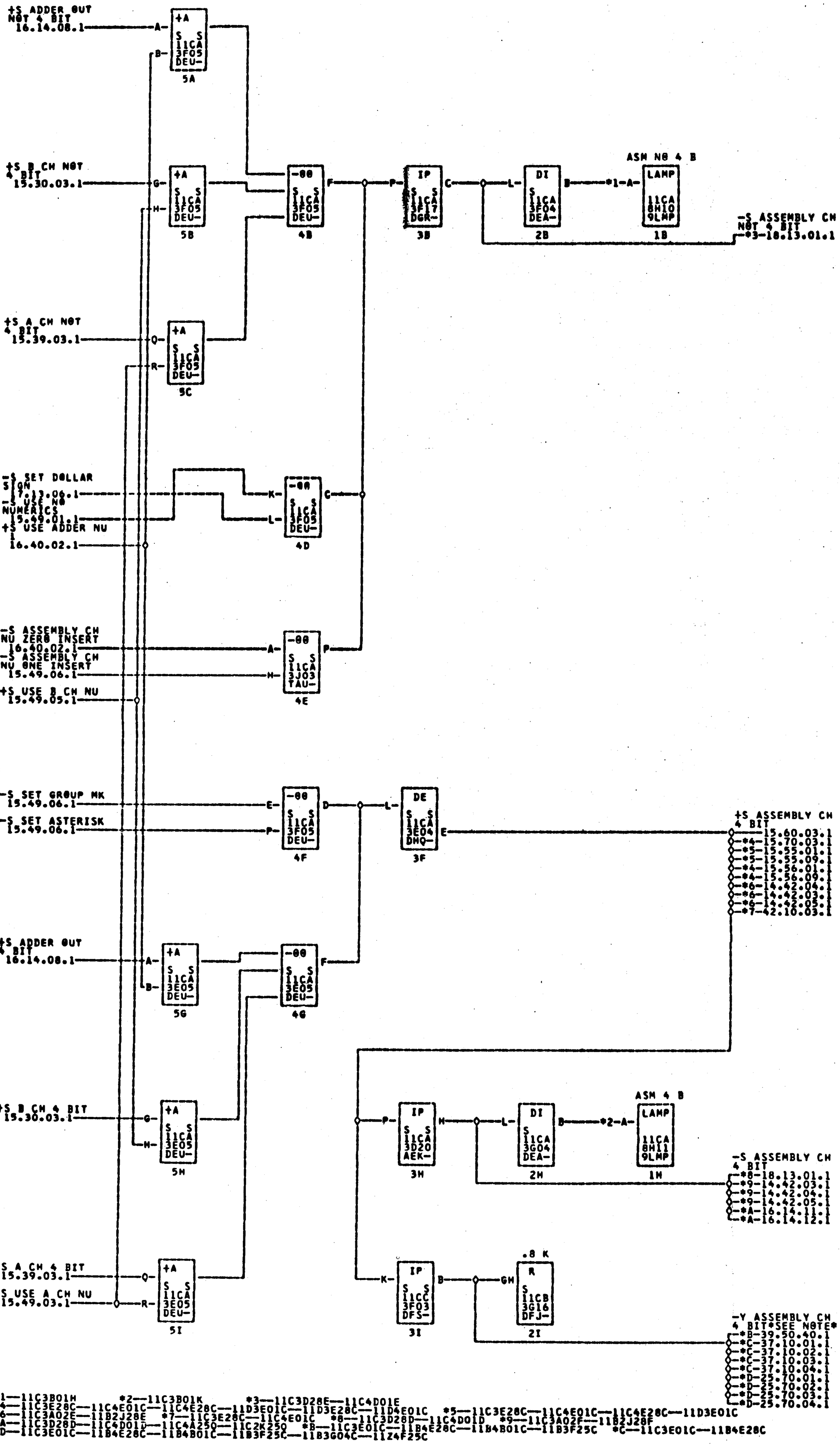
COMMENTS
GOES TO 39.50.40.1 OR 25.XX.XX.1 BUT NOT BOTH ACCORDING TO SYSTEM CONFIGURATION.

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	12-21-61	250760C	B	04-12-62	250785	C	11-21-63	253453			



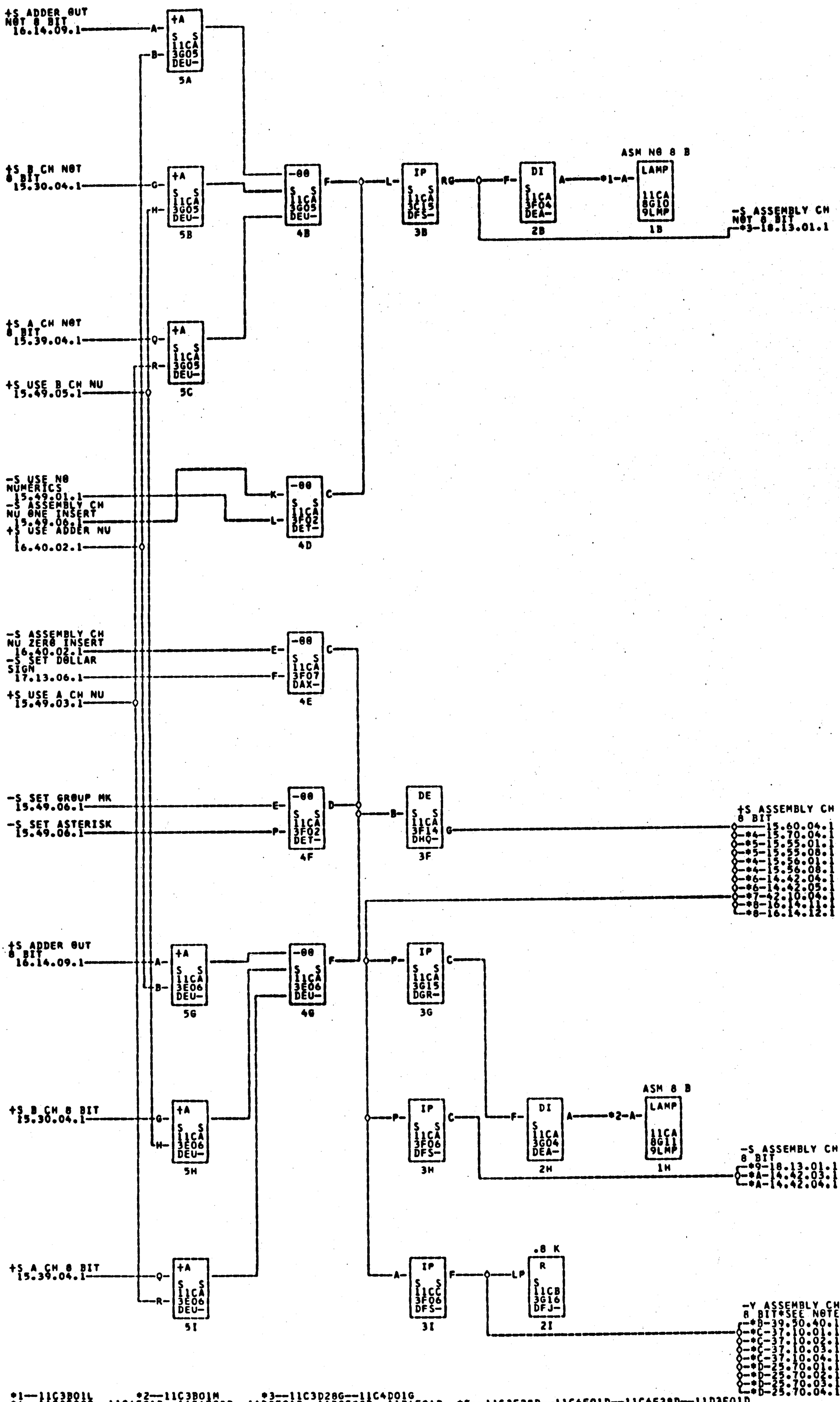
COMMENTS
GOES TO 39.50.40.1 OR 25.XX.XX.1 BUT NOT BOTH ACCORDING TO SYSTEM CONFIGURATION.

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	12-21-61	250760C	B	04-12-62	250785	C	11-21-63	253453			



1 COMMENTS
GOES TO 39.50.40.1 OR 25.XX.XX.1 BUT NOT BOTH ACCORDING TO SYSTEM CONFIGURATION

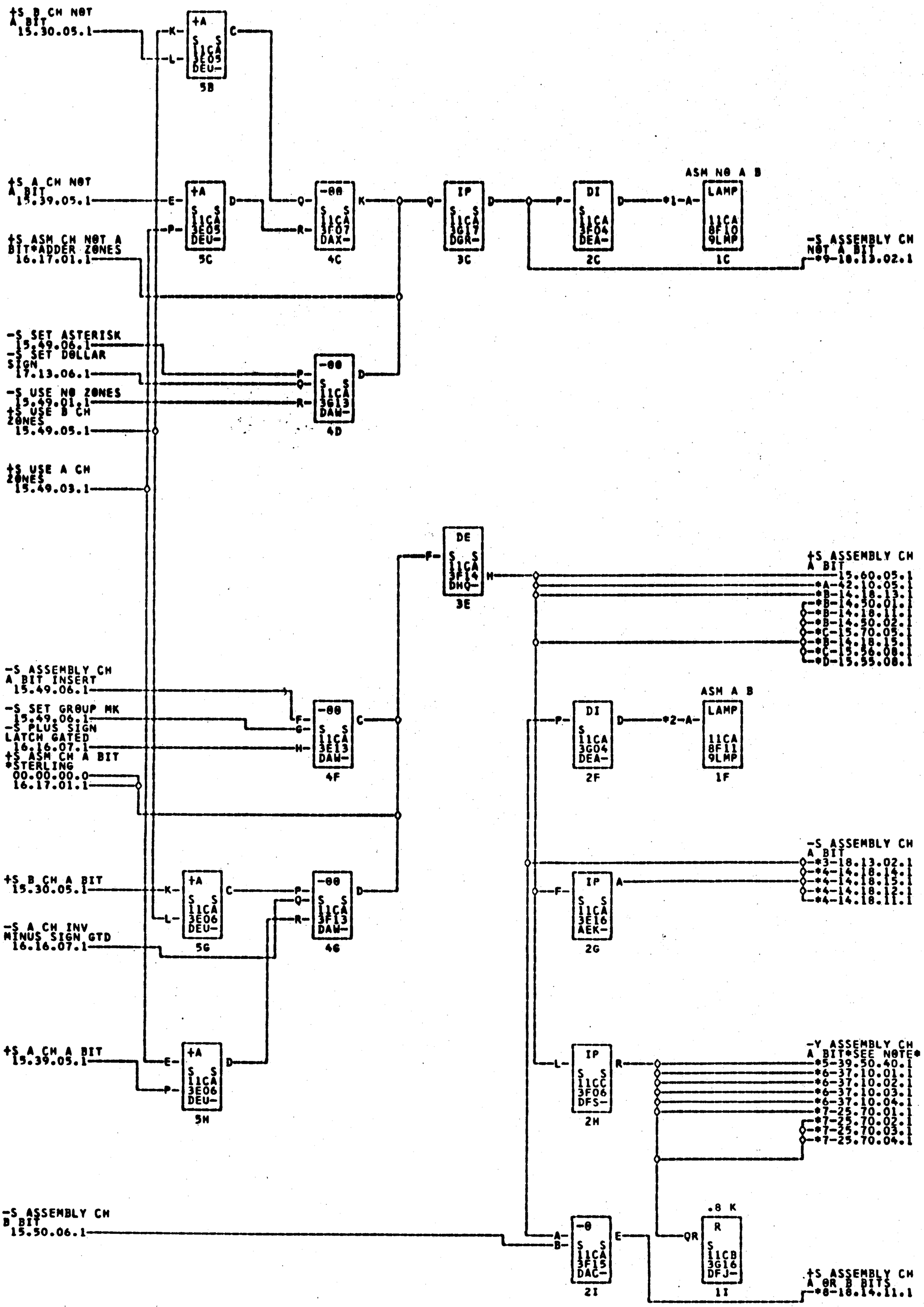
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A	12-21-61	250760C	B	04-12-62	250785	C	11-23-63	253453			



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COMMENTS
GOES TO 39.50.40.1 OR 25.XX.XX.1 BUT NOT BOTH ACCORDING TO SYSTEM CONFIGURATION

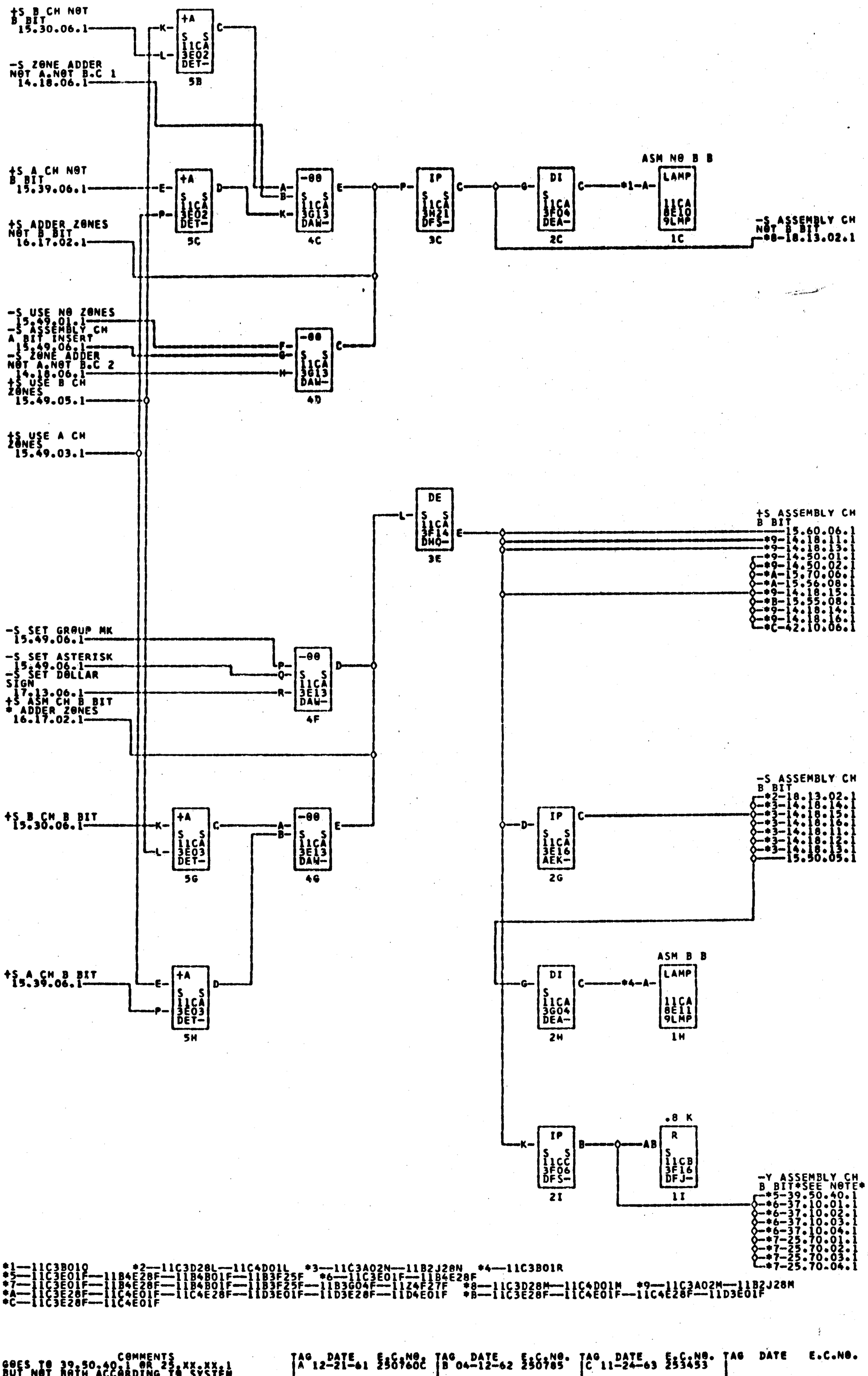
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A	12-21-61	250760C	B	04-12-62	250765	C	11-23-63	253453			



*1—11C3B01N *2—11C3B01P *3—11C3D28M—11C4D01M *4—11C3A02L—11B2J28L
*5—11C3E01E—11B4E28E—11B4B01E—11B3F25E *6—11C3E01E—11B4E28E
*7—11C3E01E—11B4E28E—11B4B01E—11B3F25E—11B3G04E—11Z4F27E *8—11C3E27Q—11D1K03Q—11D1E28A—11D2E01A
*9—11C3D28K—11C4D01K *A—11C3E28E—11C4E01E *B—11C3A02K—11B2J28K
*C—11C3E28E—11C4E01E—11C4E28E—11D3E01E—11D3E28E—11D4E01E *D—11C3E28E—11C4E01E—11C4E28E—11D3E01E

COMMENTS
GOES TO 39.50.40.1 OR 25.XX.XX.1 BUT NOT BOTH ACCORDING TO SYSTEM CONFIGURATION

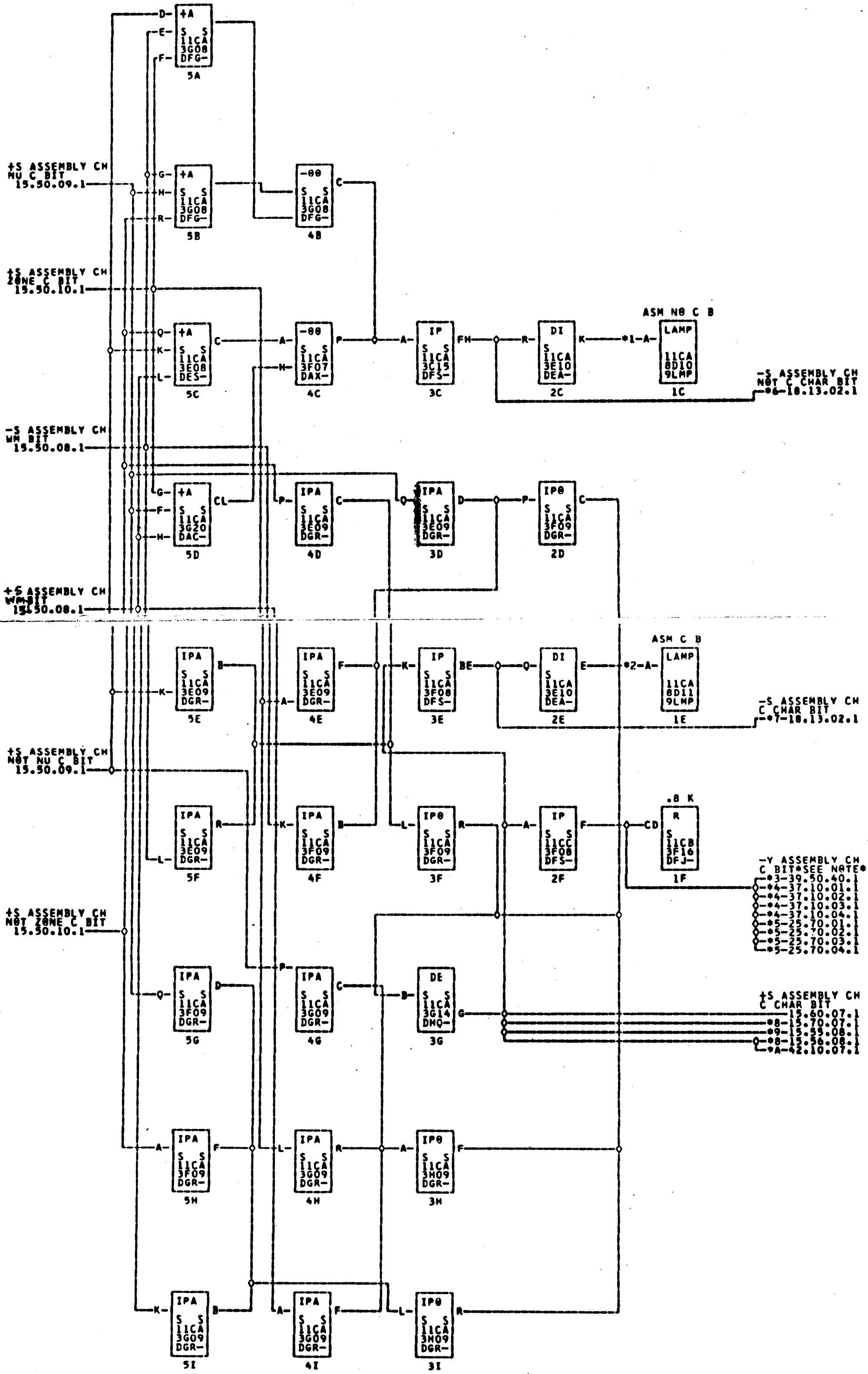
TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	12-21-61	250760C	B	04-12-62	250785	C	11-21-63	253453			



*1—11C3B01Q *2—11C3D28L—11C4D01L *3—11C3A02N—11B2J28N *4—11C3B01R
*5—11C3E01F—11B4E28F—11B4B01F—11B3F25F *6—11C3E01F—11B4E28F
*7—11C3E01F—11B4E28F—11B4B01F—11B3F25F—11B3G04F—11Z4F27F *8—11C3D28M—11C4D01M *9—11C3A02M—11B2J28M
*A—11C3E28F—11C4E01F—11C4E28F—11D3E01F—11D3E28F—11D4E01F *B—11C3E28F—11C4E01F—11C4E28F—11D3E01F
*C—11C3E28F—11C4E01F

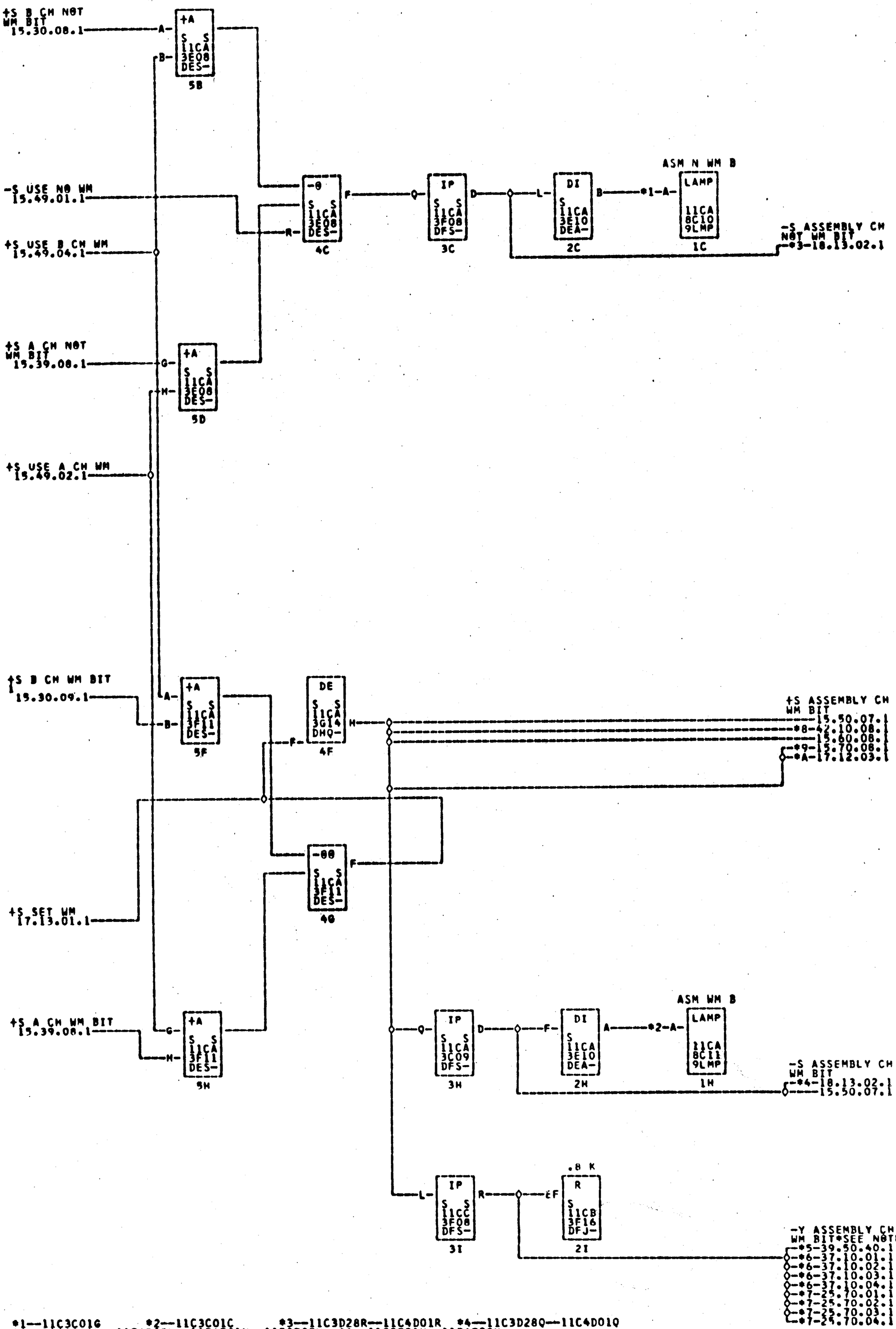
1 COMMENTS
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TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	12-21-61	250760C	B	04-12-62	250785	C	11-24-63	253453			



1 COMMENTS
GOES TO 39.50.40.1 OR 25.XX.XX.1 BUT NOT BOTH ACCORDING TO SYSTEM CONFIGURATION

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	12-21-61	250760C	B	04-12-62	250785	C	11-23-63	253453			

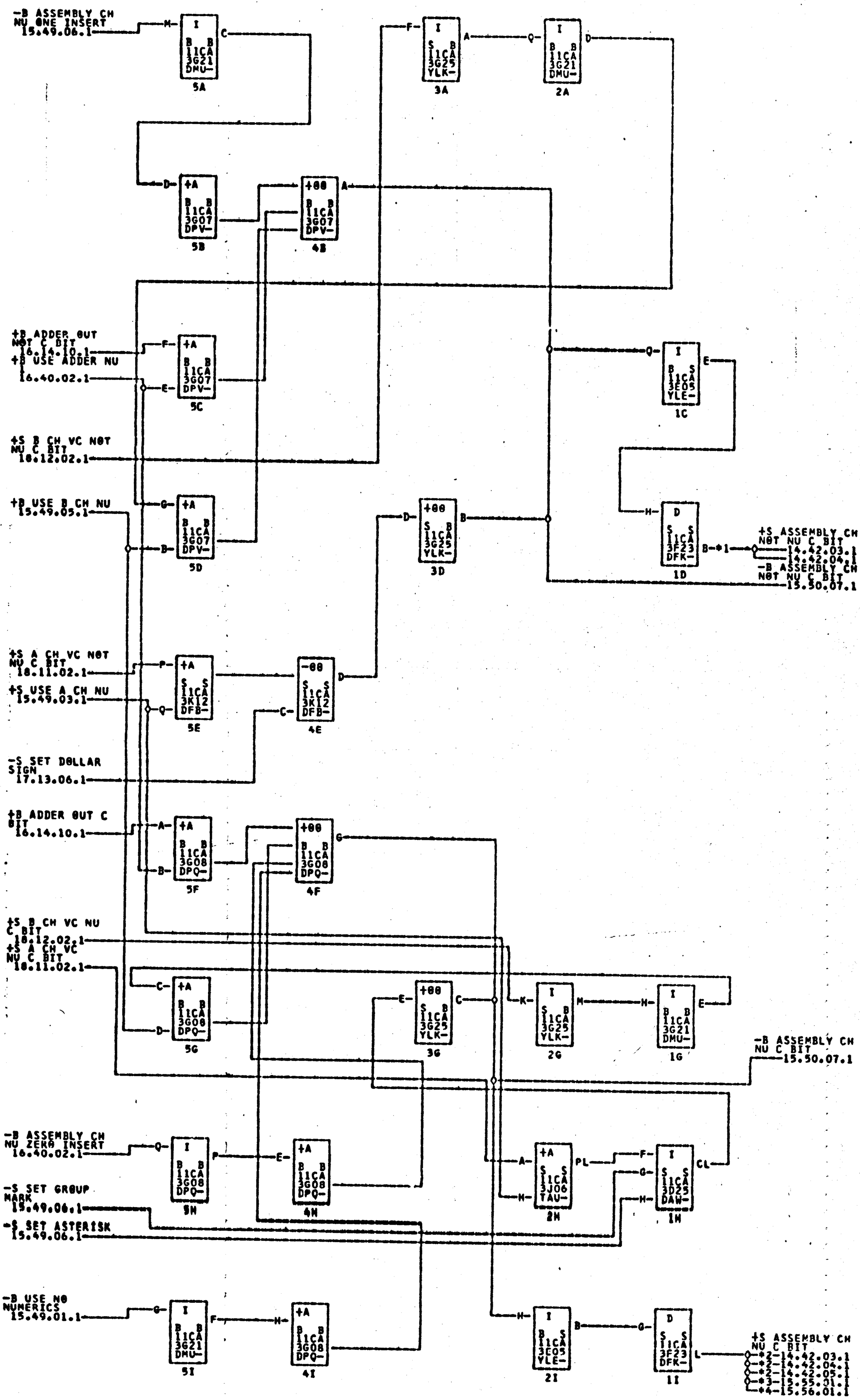


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*5—11C3E01H—11B4E28H—11B4B01H—11B3F25H *6—11C3E01H—11B4E28H
*7—11C3E01H—11B4E28H—11B4B01H—11B3F25H—11B3G04H—11Z4F27H *8—11C3E28H—11C4E01H
*9—11C3E28H—11C4E01H—11C4E28H—11D3E01H—11D3E28H—11D4E01H
*A—11C3E28H—11C4E01H—11C4E28H—11D3E01H—11D3A11H—11D1K11H—11D1F28L—11D2F01L

COMMENTS
GOES TO 39.50.40.1 OR 25.XX.XX.1 BUT NOT BOTH ACCORDING TO SYSTEM CONFIGURATION.

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	12-21-61	250760C	B	04-12-62	250785	C	11-21-63	253453			

A



*1—11C3A02Q—11B2J28Q *2—11C3A02P—11B2J28P *3—11C3J28L—11C4J01L—11C4F27E—11D3F02E
*4—11C3J28L—11C4J01L—11C4F27E—11D3F02E—11D3F27E—11D4F02E

1

COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773									

A

-B ASSEMBLY CH A BIT INSERT 15.49.06.1 — P — 5A — A — D — 4A — 3A — A — -B ASSEMBLY CH NOT ZONE C BIT 15.50.07.1

+S B CH VC NOT ZONE C BIT 18.12.02.1 — F — 5B — A — K — 4B — B — F — 3B

+B USE B CH ZONES 15.49.05.1 — E — 3B

-B B CH MIN+INV PLUS SIGN GATED 16.16.06.1 — M — 5C — C — G — 4C

+S A CH VC NOT ZONE C BIT 18.11.02.1 — B — 5D — C — A — 4D — E — H — 3D — P

+S USE A CH ZONES 15.49.03.1 — D — 5D — B — 4D

+S ASM CH NOT ZN C BIT*ADD ZN 16.17.03.1 — K — 4D

-S SET DOLLAR SIGN 17.13.06.1 — B — 4D

-S SET ASTERISK 15.49.06.1 — K — 4D

+B B CH PL+INV MIN SIGN GATED 15.50.05.1 — D — 5E — A — 3E — A — -B ASSEMBLY CH ZONE C BIT 15.50.07.1

+S B CH VC ZONE C BIT 18.12.02.1 — D — 5F — B — Q — 4F — D — F — 3F — E — 3E — R — 1F — A-*1 — +S ASSEMBLY CH ZONE C BIT 14.50.02.1, 14.50.01.1

-B USE NO ZONES 15.49.01.1 — H — 5G — E — G — 4G — 4F

+S A CH VC ZONE C BIT 18.11.02.1 — K — 5H — F — G — 3H — Q — 3E

+S ASM CH ZONE C BIT*ADDER ZN 16.17.03.1 — L — 5H — E — 4H — 4F

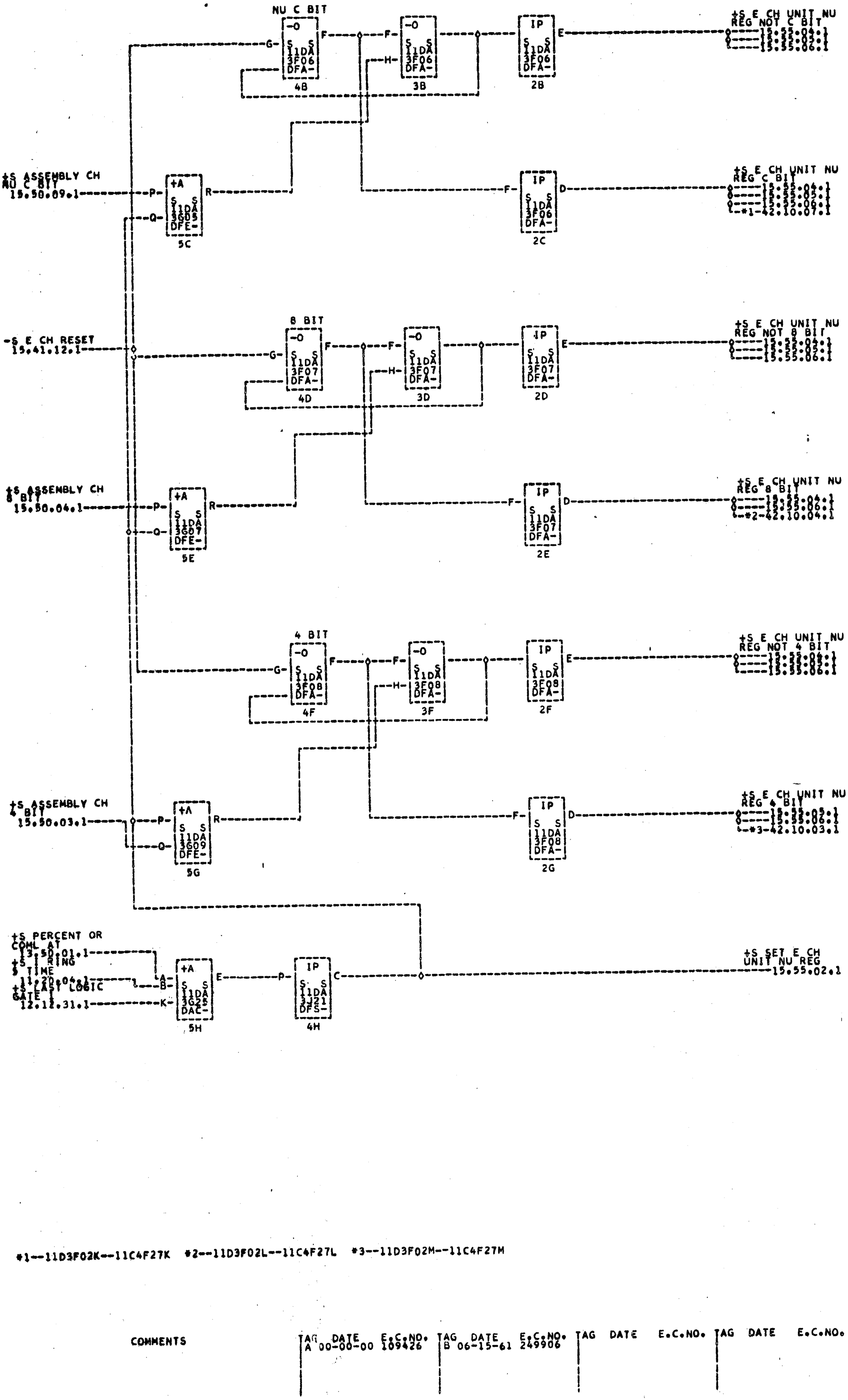
-S SET GROUP MARK 15.49.06.1 — 4H

*1—11C3A02R—11B2J28R

COMMENTS

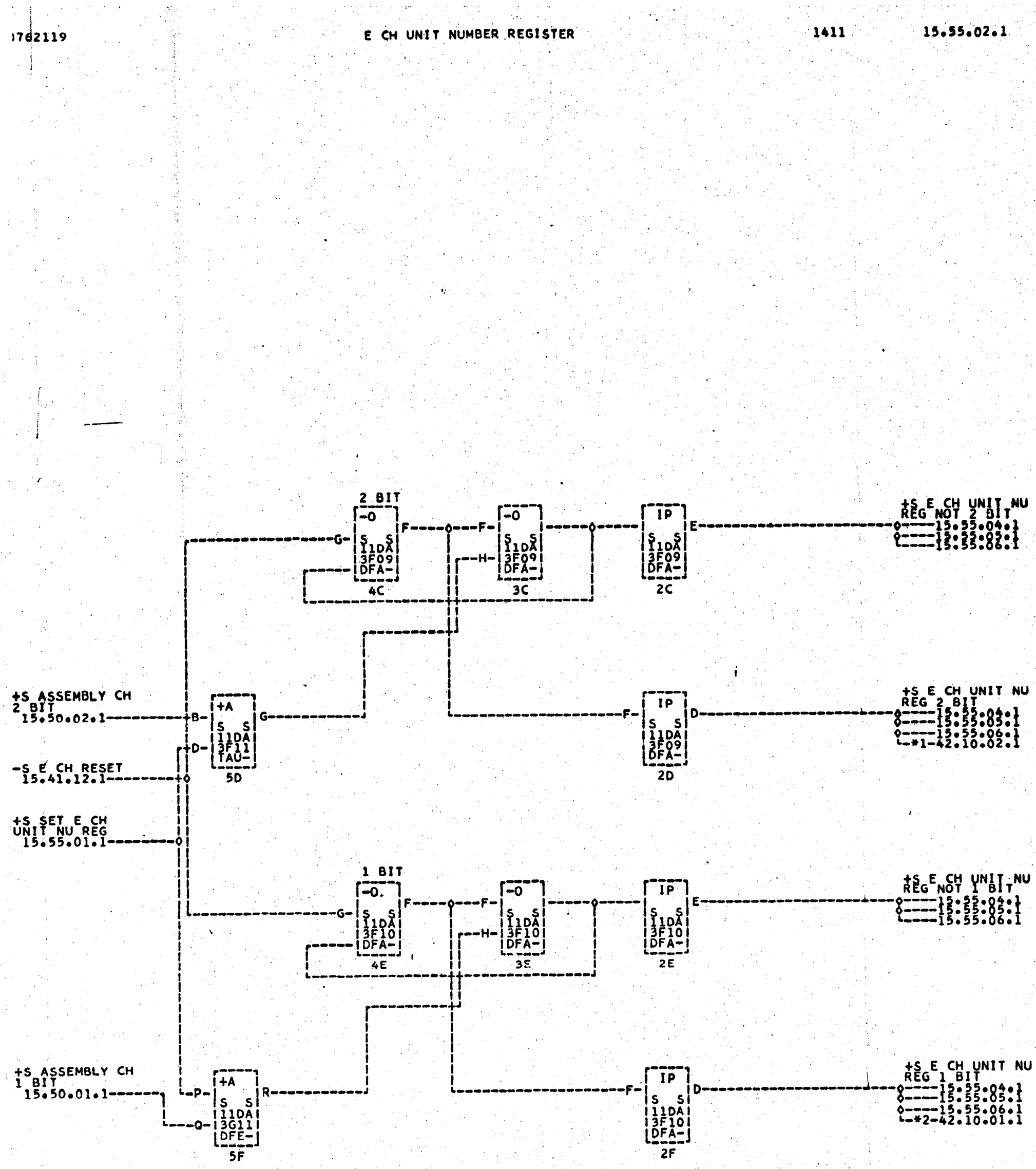
TAG	DATE	E.C.NO.
A	06-13-62	251773

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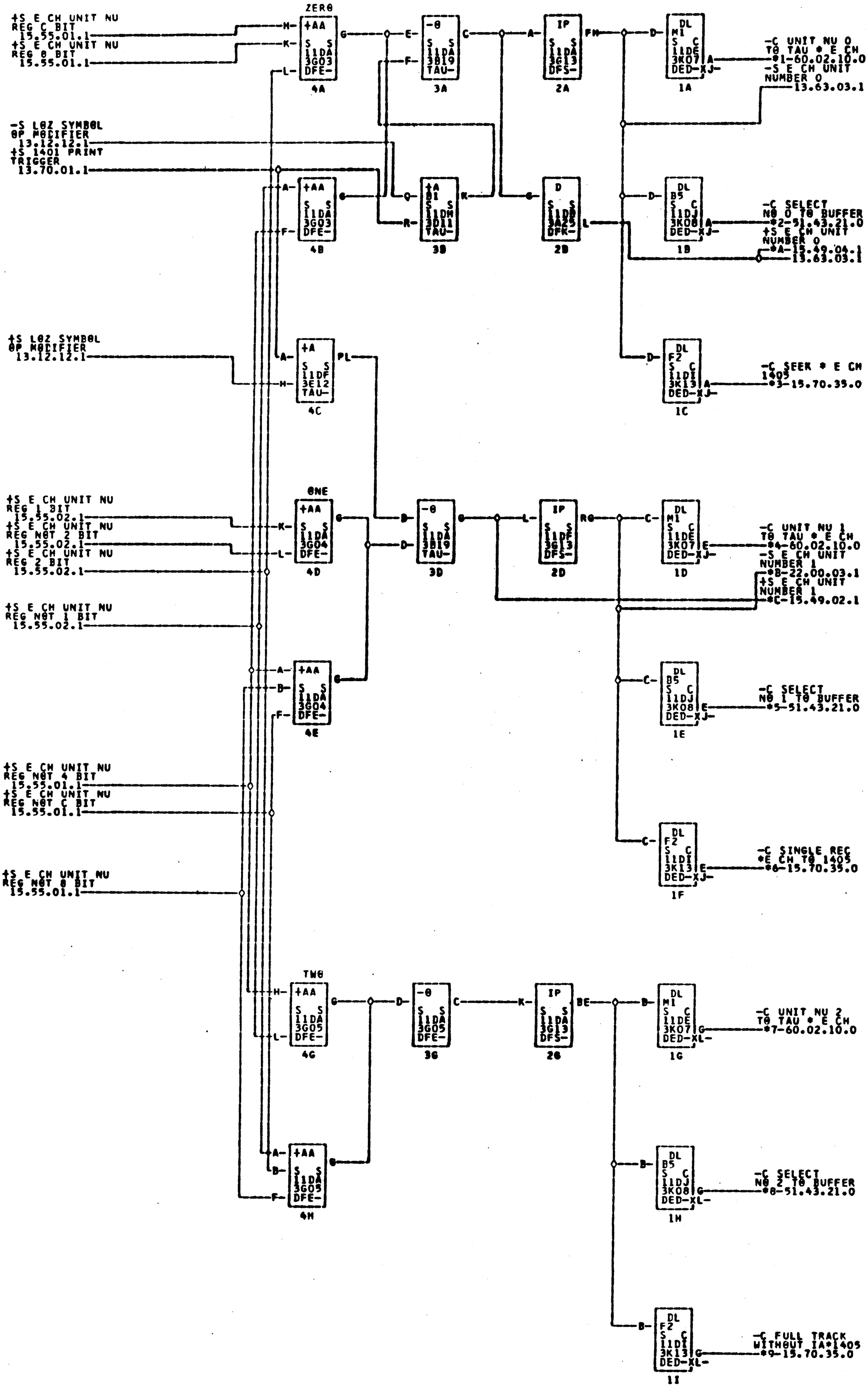
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	A	00-00-00	109426	B	06-15-61	249906						



*1--11D3F02N--11C4F27N *2--11D3F02P--11C4F27P

COMMENTS

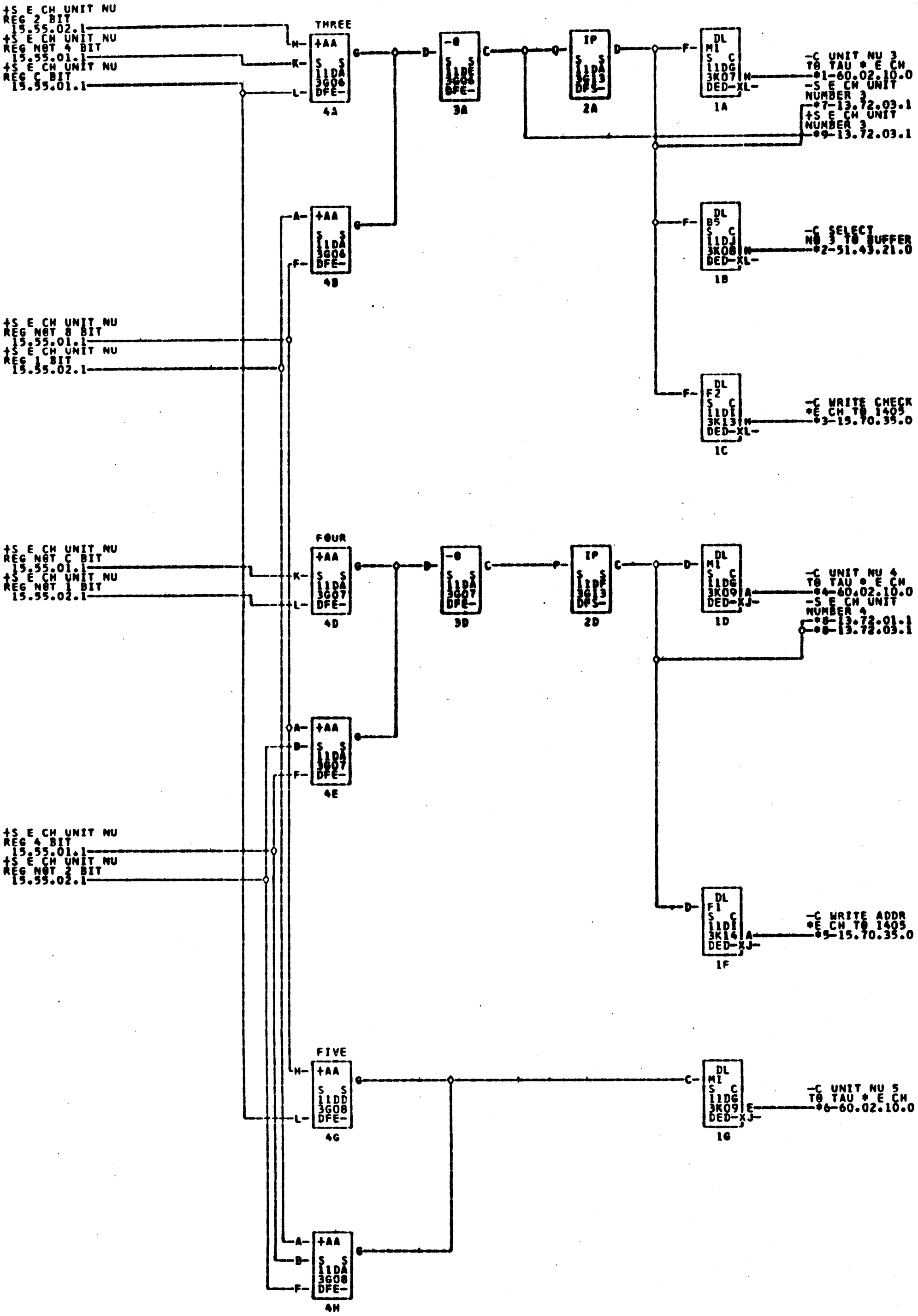
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A	00-00-00	109386	B	06-15-61	249906						



*1—11D7L12P *2—11D7L06K *3—11D7L08M *4—11D7L12R *5—11D7L06M *6—11D7L08P *7—11D7L13B *8—11D7L06P
*9—11D7L08R *A—11D3H01R—11C4H28R—11C4K02R—11C3K27R *B—11D3Z18C—11D7U31G
*C—11D3H01C—11C4H28C—11C4H01B—11C3H28B

COMMENTS

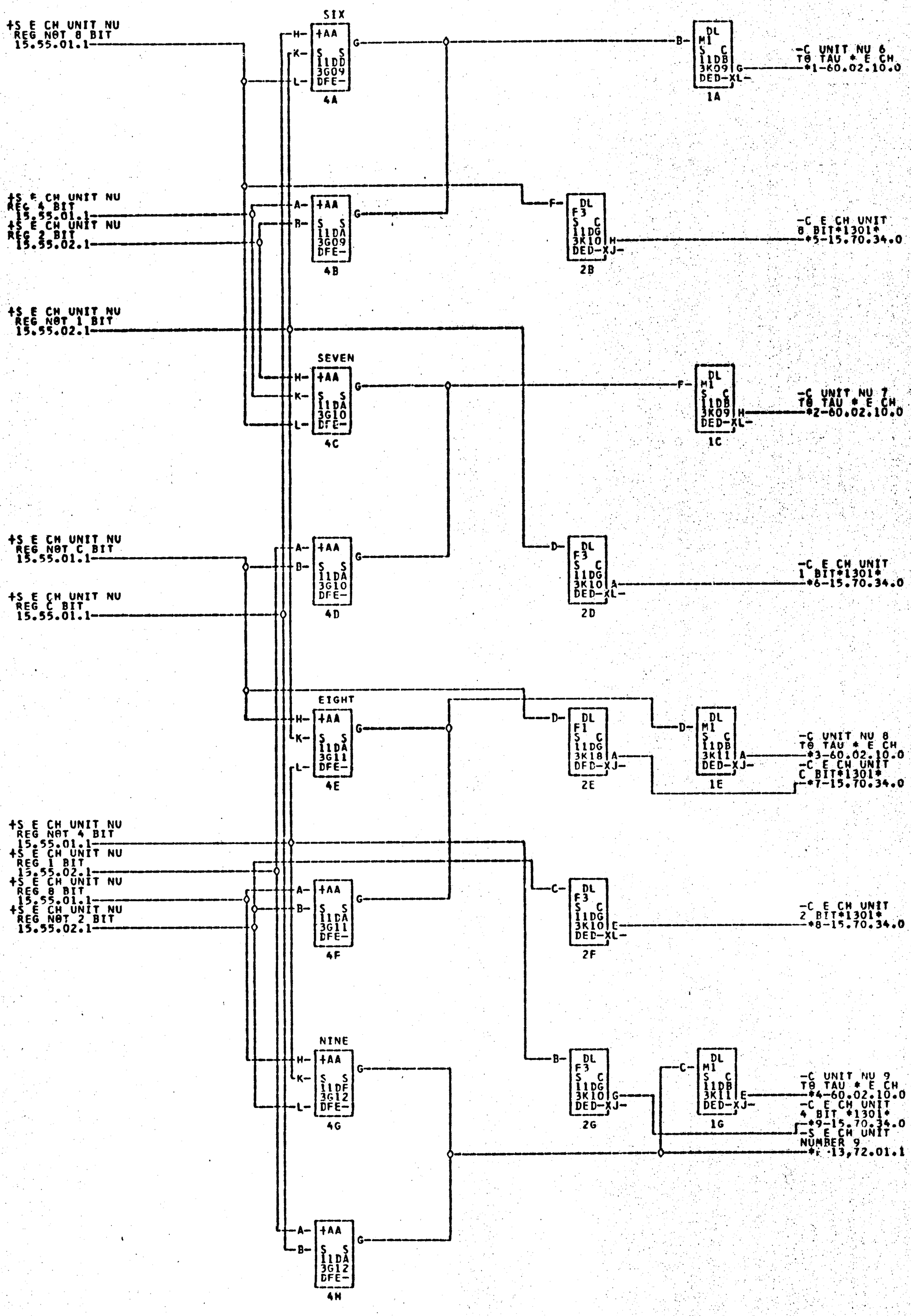
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E	03-07-62	251134	F	04-11-62	251132	G	04-23-62	250786	H	08-02-62	251771
I	08-17-62	251809	J	10-03-62	250795						



*1—11D7L13D *2—11D7L06R *3—11D7L09B *4—11D7L12F *5—11D7L09D *6—11D7L12H
*7—11D3A06N—11D1K06N—11D1G27R—11D2G02R *8—11D3V19B—11D1Z19B—11D1D27R—11D2B02R
*9—11D3A06M—11D1K06M—11D1G27Q—11D2G02Q

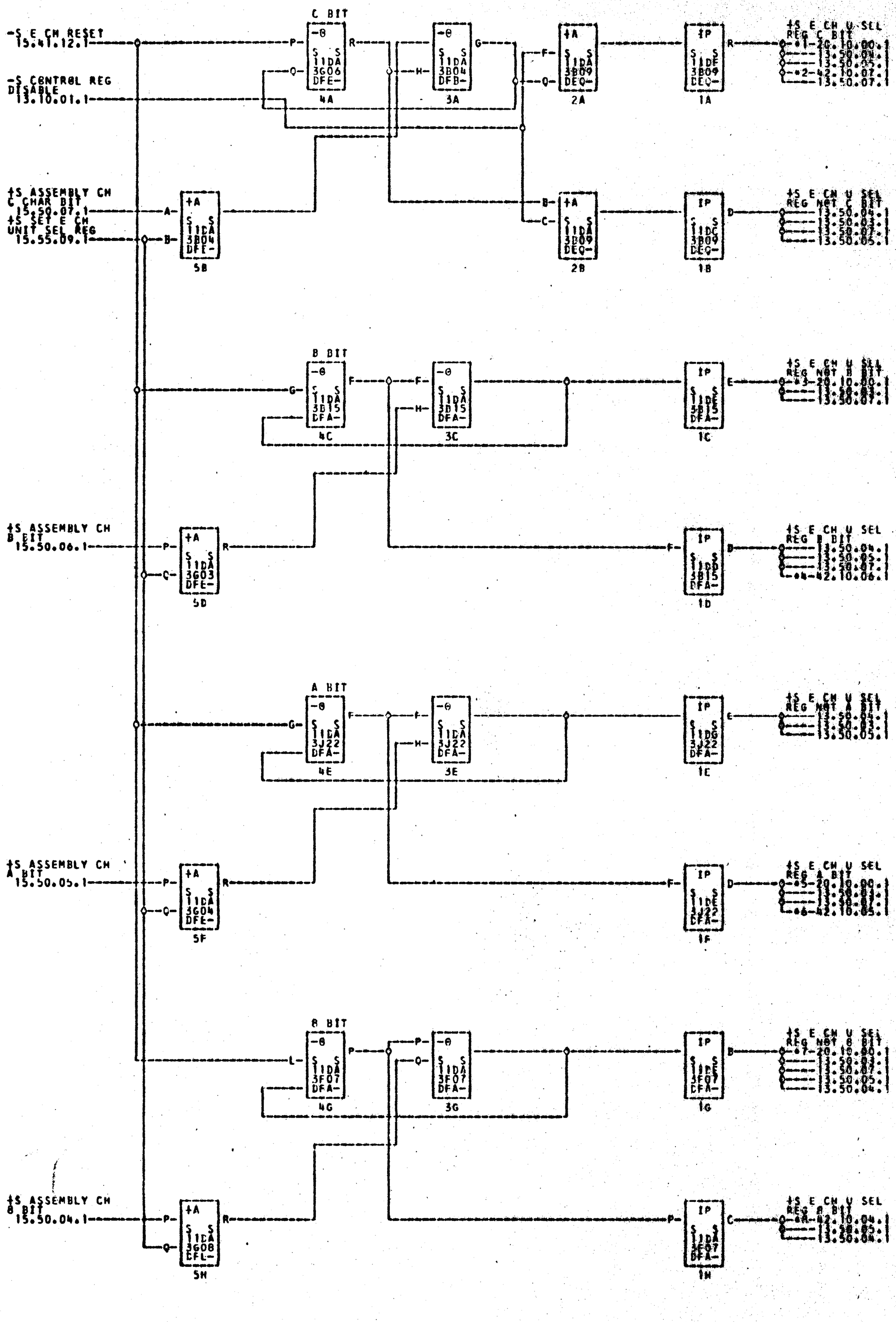
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TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	00-00-00	111585C	B	06-15-61	111594C	C	08-17-61	249906	D	12-21-61	250746
E	01-30-63	251100	F	02-12-62	250761	G	03-07-62	251134	H	04-12-62	250785
I	08-17-62	251609	J	10-05-62	250765						



*1—11D7L12K *2—11D7L12M *3—11D7L12B *4—11D7L12D *5—11D7U01D *6—11D7UC1K *7—11D7U01B *8—11D7U01H
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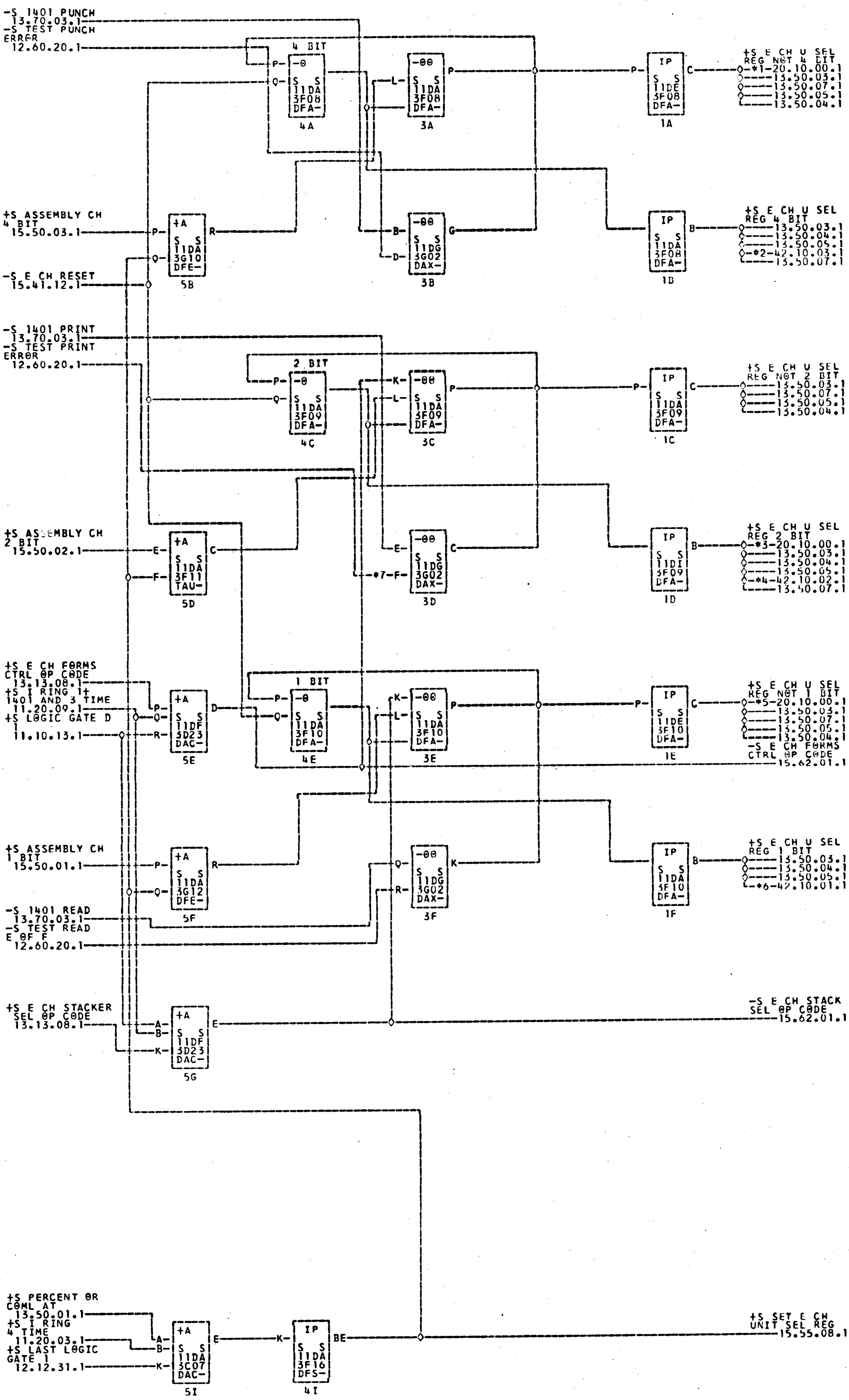
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	E 01-25-62 250755	F 03-28-62 250771	G 08-17-62 251809	



*1—11D3Z12D—11D7U27R *2—11D3F02B—11C4F27Q *3—11D3Z10A—11D7U27E *4—11D3F02R—11C4F27R *5—11D3Z10B—11D7U27F
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COMMENTS

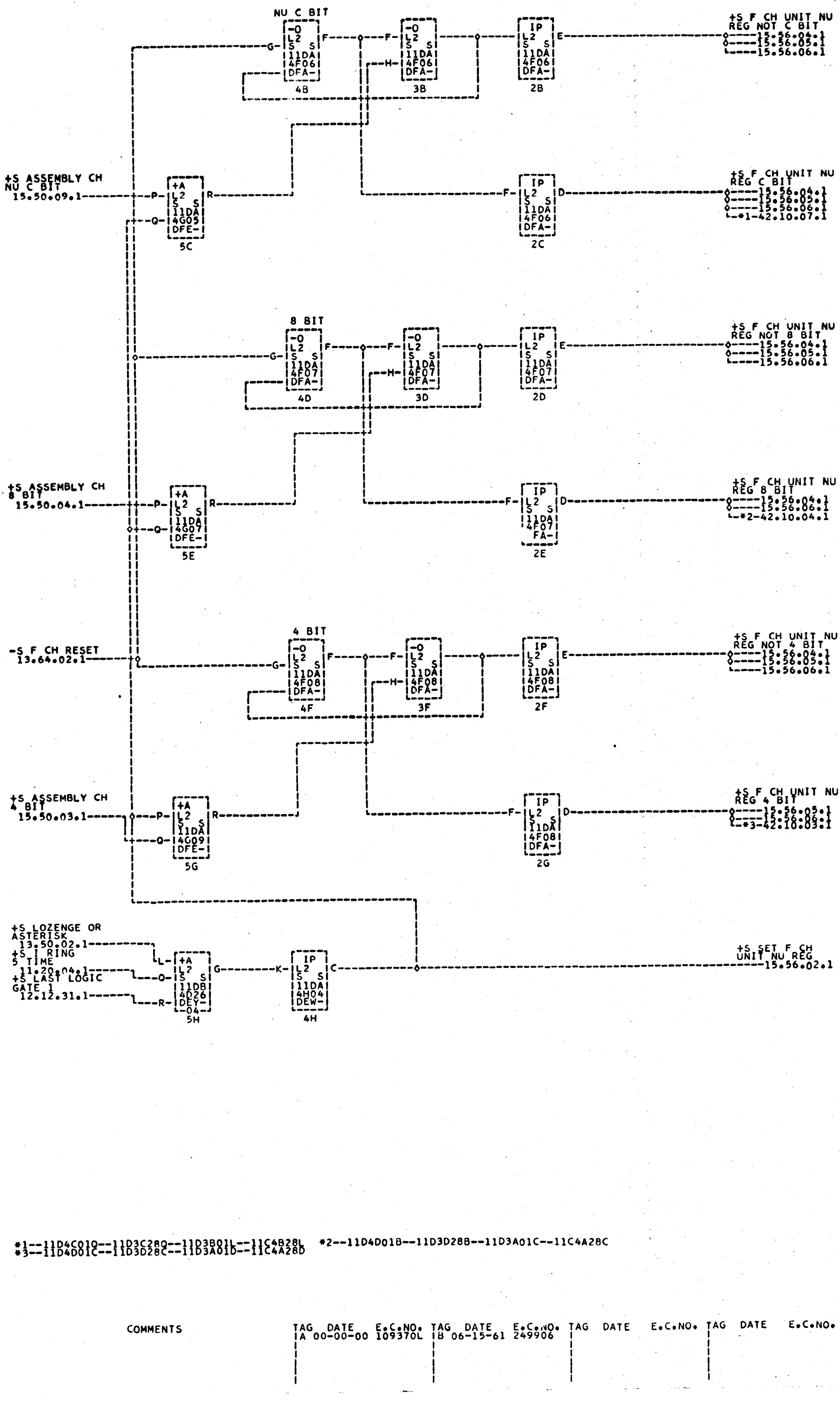
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E	01-03-62	250759	F	02-07-62	251049	G	04-12-62	250765			



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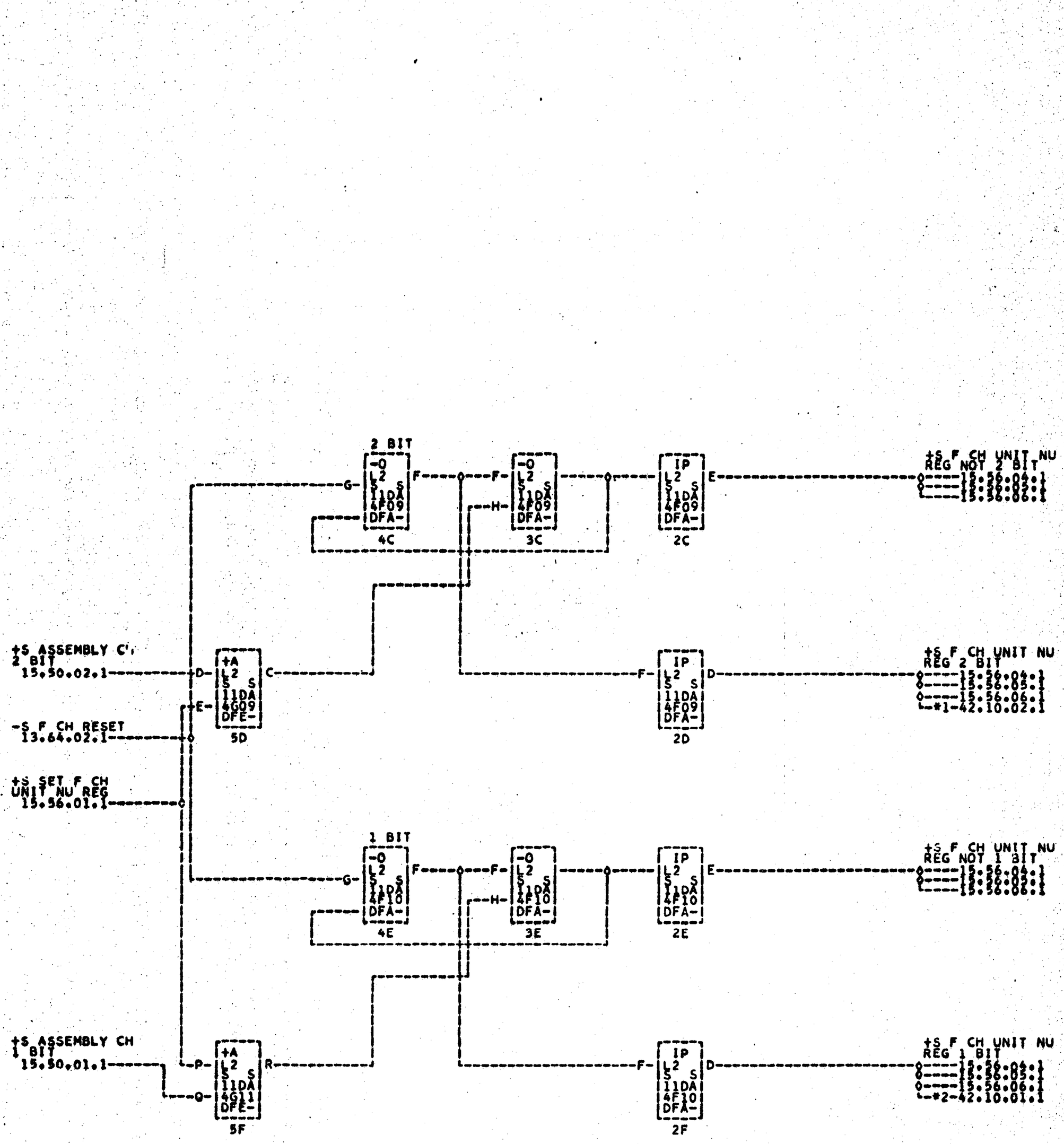
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E	01-03-62	250759	F	03-07-62	251134	G	04-12-62	250785	H	10-12-62	251824
I	09-02-64	253910									



#1--11D4C01Q--11D3C28Q--11D3B01L--11C4B28L #2--11D4D01B--11D3D28B--11D3A01C--11C4A28C
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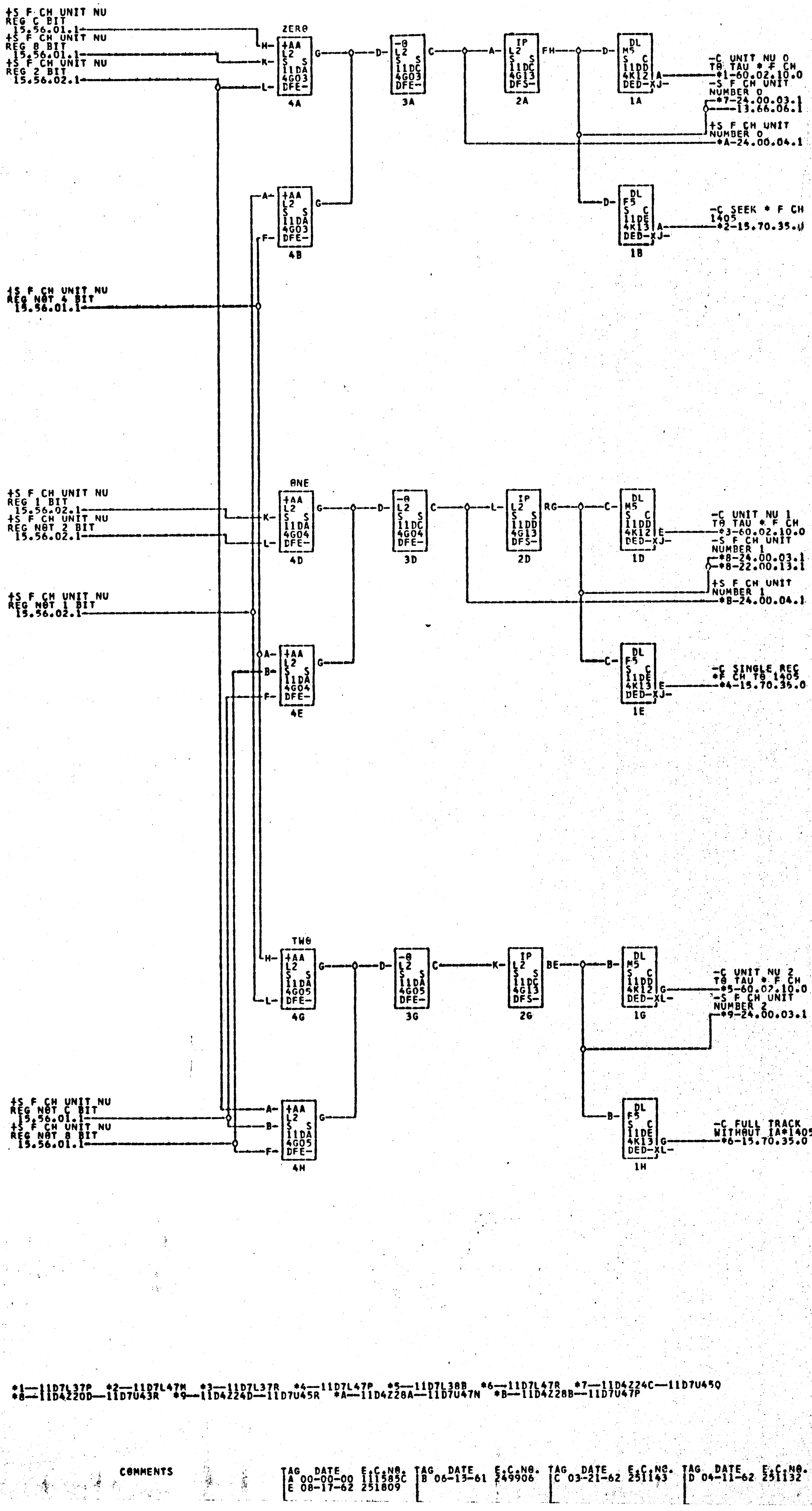
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*1--11D4C01R--11D3C28R--11D3A01H--11C4A28H *2--11D4D01D--11D3D28D--11D3A01K--11C4A28K

COMMENTS

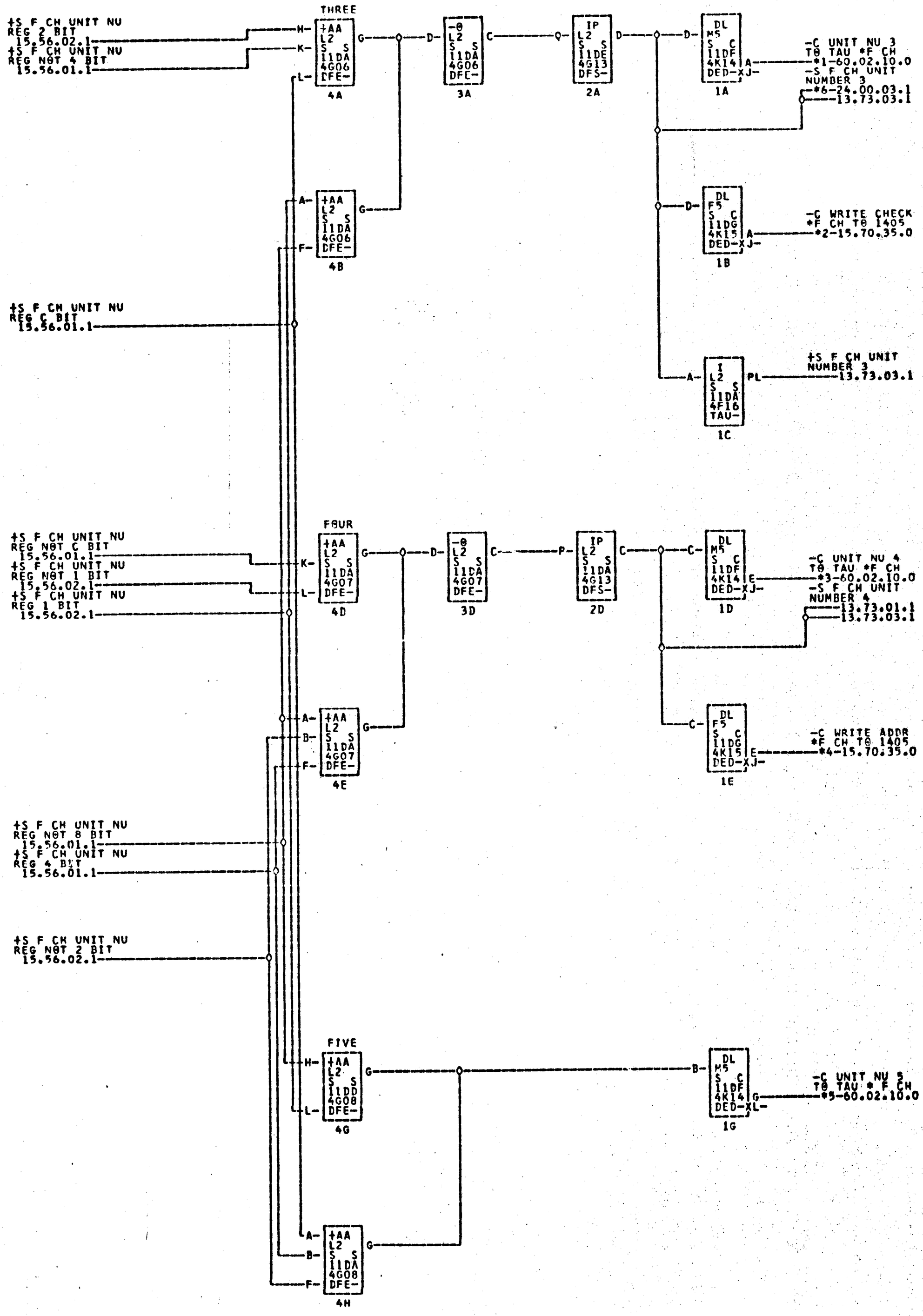
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A	00-00-00	109386	B	06-15-61	249906						



*1—11D7L37P *2—11D7L47M *3—11D7L37R *4—11D7L47P *5—11D7L38B *6—11D7L47R *7—11D4Z24C—11D7U45Q
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COMMENTS

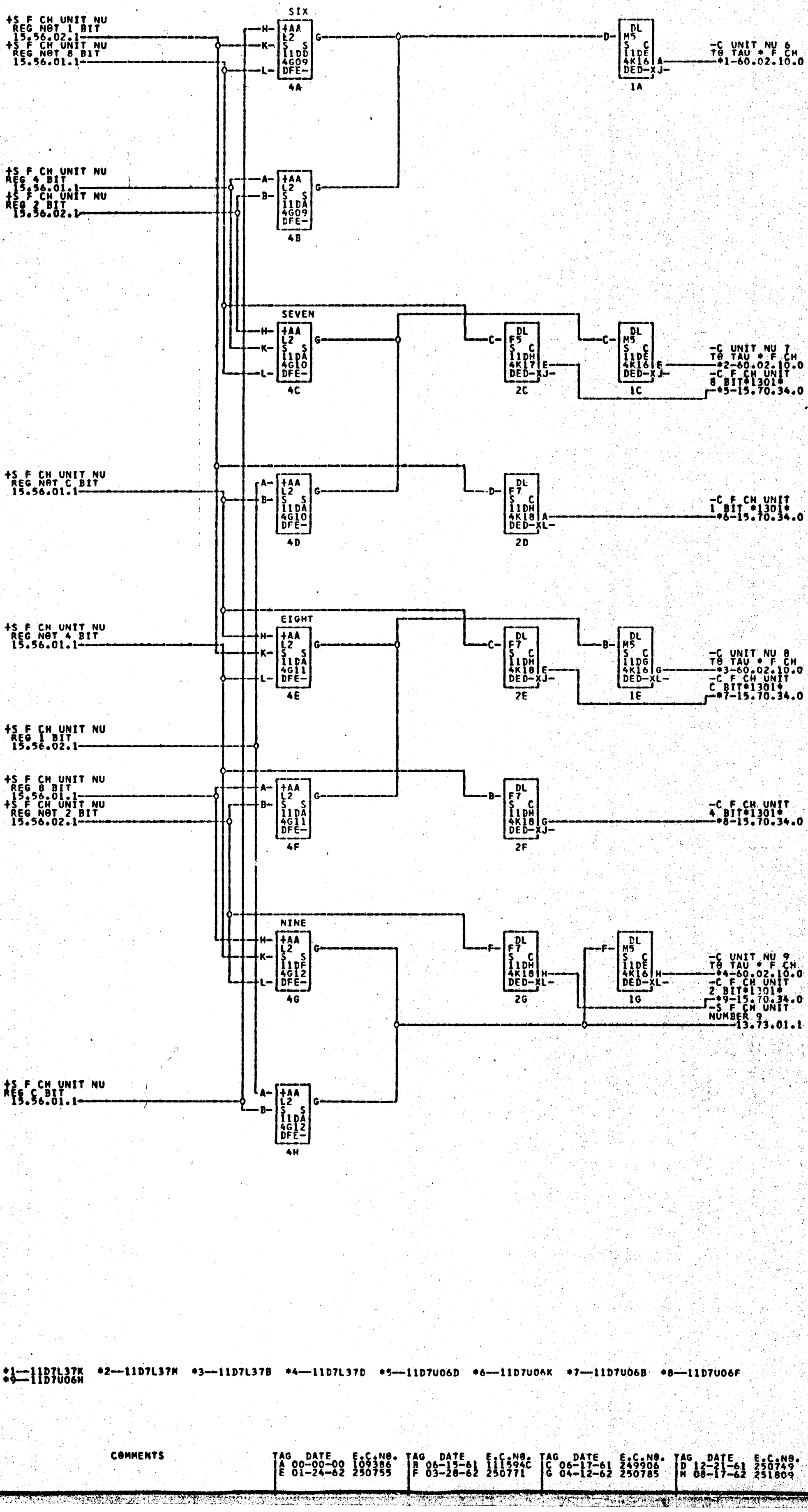
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A	00-00-00	111585C	B	06-13-61	249906	C	03-21-62	251143	D	04-11-62	251132
E	08-17-62	251809									



*1—11D7L38D *2—11D7L46B *3—11D7L37F *4—11D7L46D *5—11D7L37H *6—11D4Z28D—11D7U47R

COMMENTS

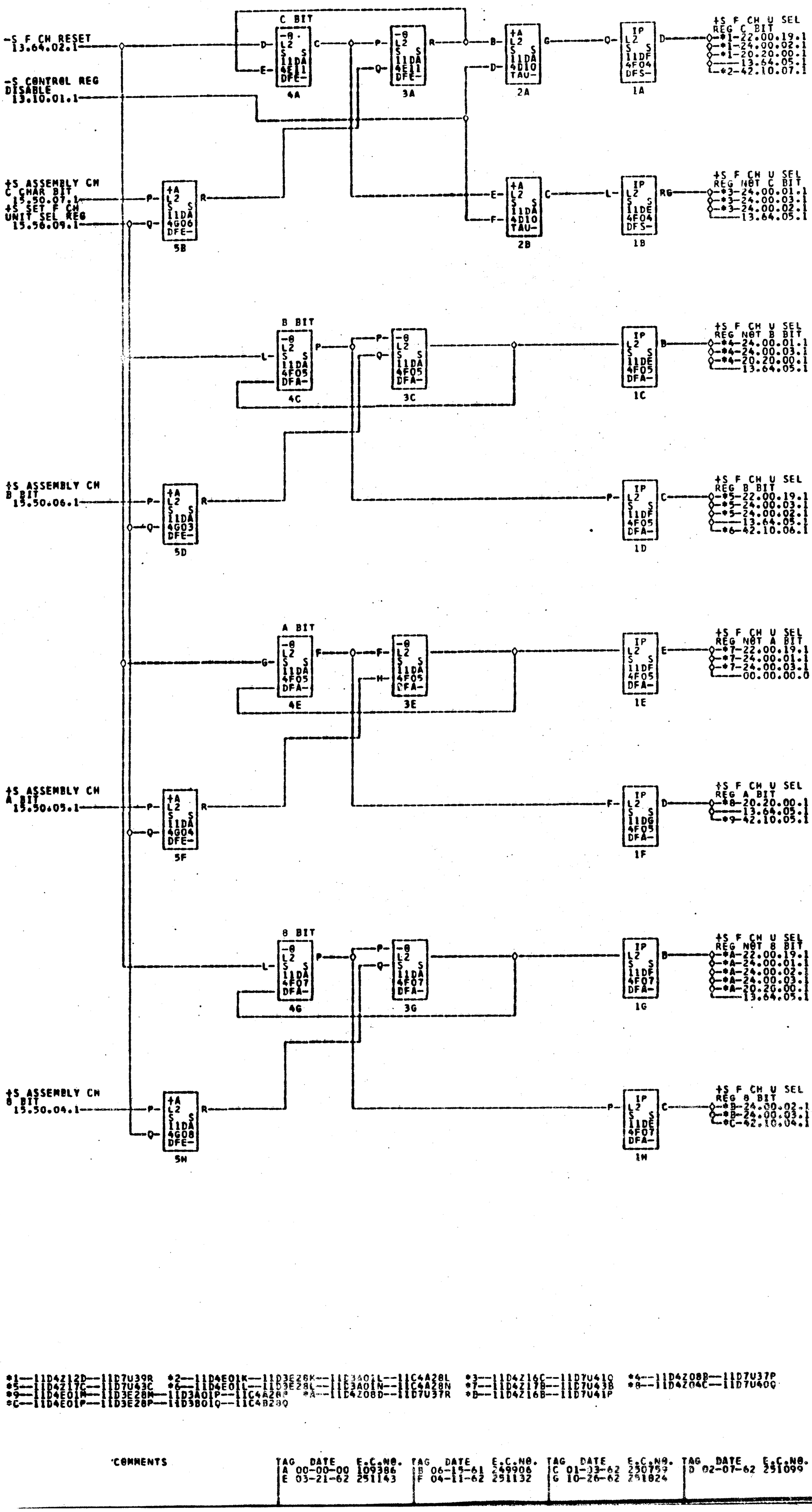
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A	00-00-00	111585C	B	06-15-61	111594C	C	06-17-61	249906	D	12-21-61	250749
E	03-21-62	251143	F	04-12-62	250785	G	08-17-62	251809			



*1—11D7L37K *2—11D7L37M *3—11D7L37B *4—11D7L37D *5—11D7U06D *6—11D7U06K *7—11D7U06B *8—11D7U06F
*9—11D7U06H

COMMENTS

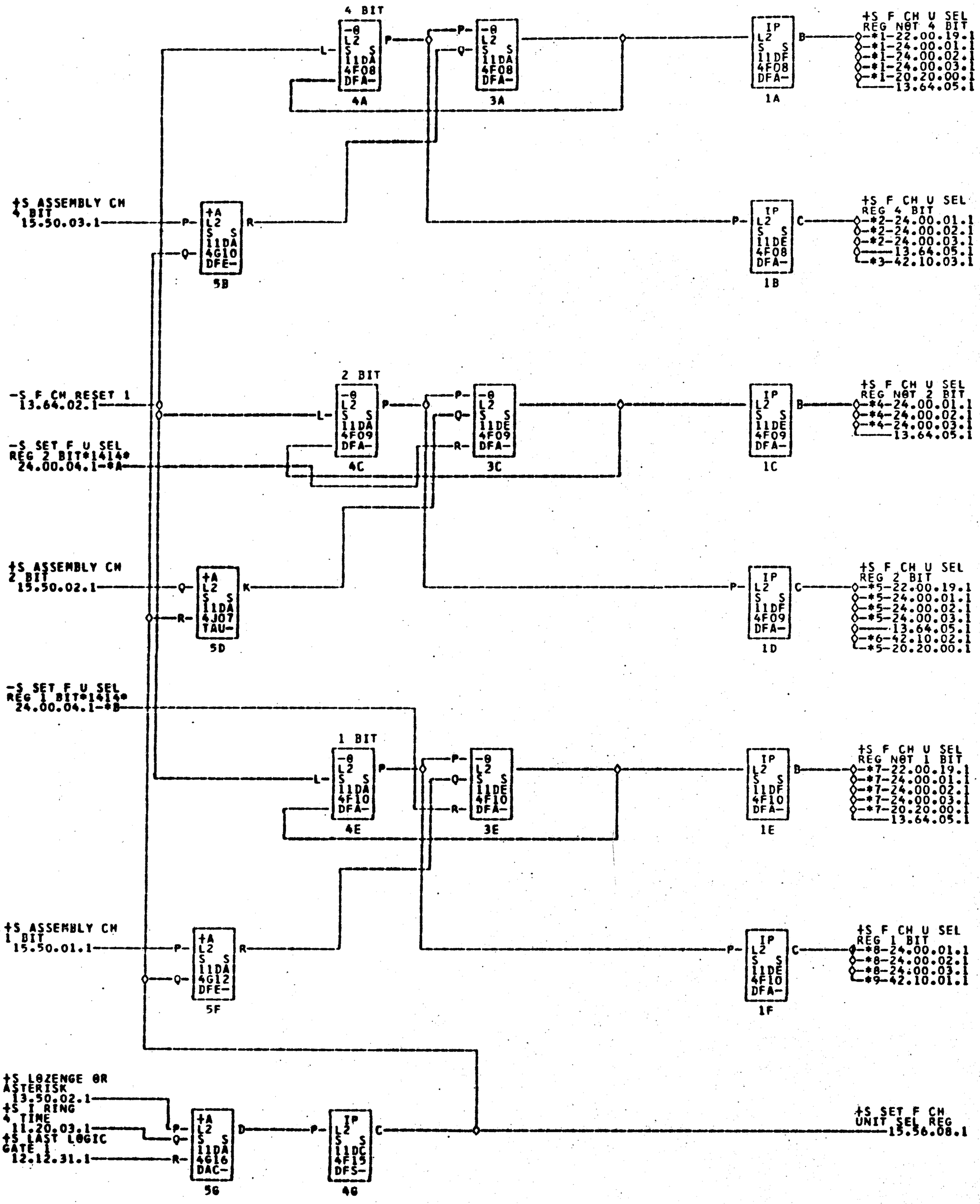
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E	01-24-62	250755	F	03-28-62	250771	G	04-12-62	250785	H	08-17-62	251809



*1—11D4Z12D—11D7U39R *2—11D4E01K—11D3E28K—11D3A01L—11C4A28L *3—11D4Z16C—11D7U41Q *4—11D4Z08B—11D7U37P
*5—11D4Z17C—11D7U43C *6—11D4E01L—11D3E28L—11D3A01N—11C4A28N *7—11D4Z17B—11D7U43B *8—11D4Z04C—11D7U40Q
*9—11D4E01M—11D3E28M—11D3A01P—11C4A28P *A—11D4Z08D—11D7U37R *B—11D4Z16B—11D7U41P
*C—11D4E01P—11D3E28P—11D3B01Q—11C4B28Q

COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	00-00-00	109386	B	06-15-61	249906	C	01-03-62	250759	D	02-07-62	251099
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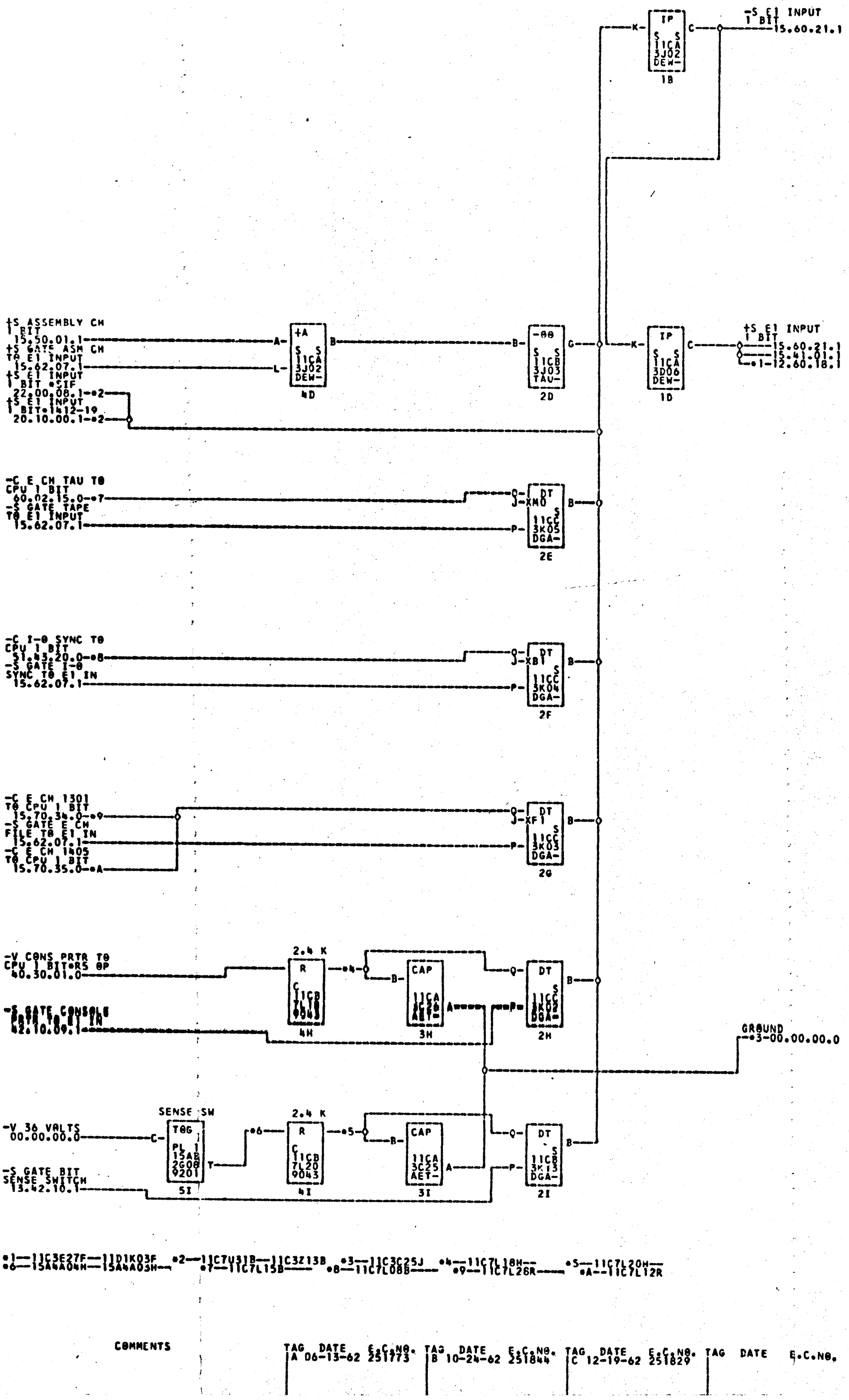


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*5—11D4Z05D—11D7U37D *6—11D4F01F—11D3F28F—11D3H01N—11C4H28N *7—11D4Z06A—11D7U37E *8—11D4Z15C—11D7U41L
*9—11D4F01G—11D3F28G—11D3H01P—11C4H28P *A—11D7U45H—11D4Z22D———— *B—11D7U37F—11D4Z06B————

COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	00-00-00	109412	B	06-15-61	249906	C	11-01-61	250701	D	01-05-62	250759
E	03-21-62	251143	F	04-11-62	251132	G	10-12-62	251824			

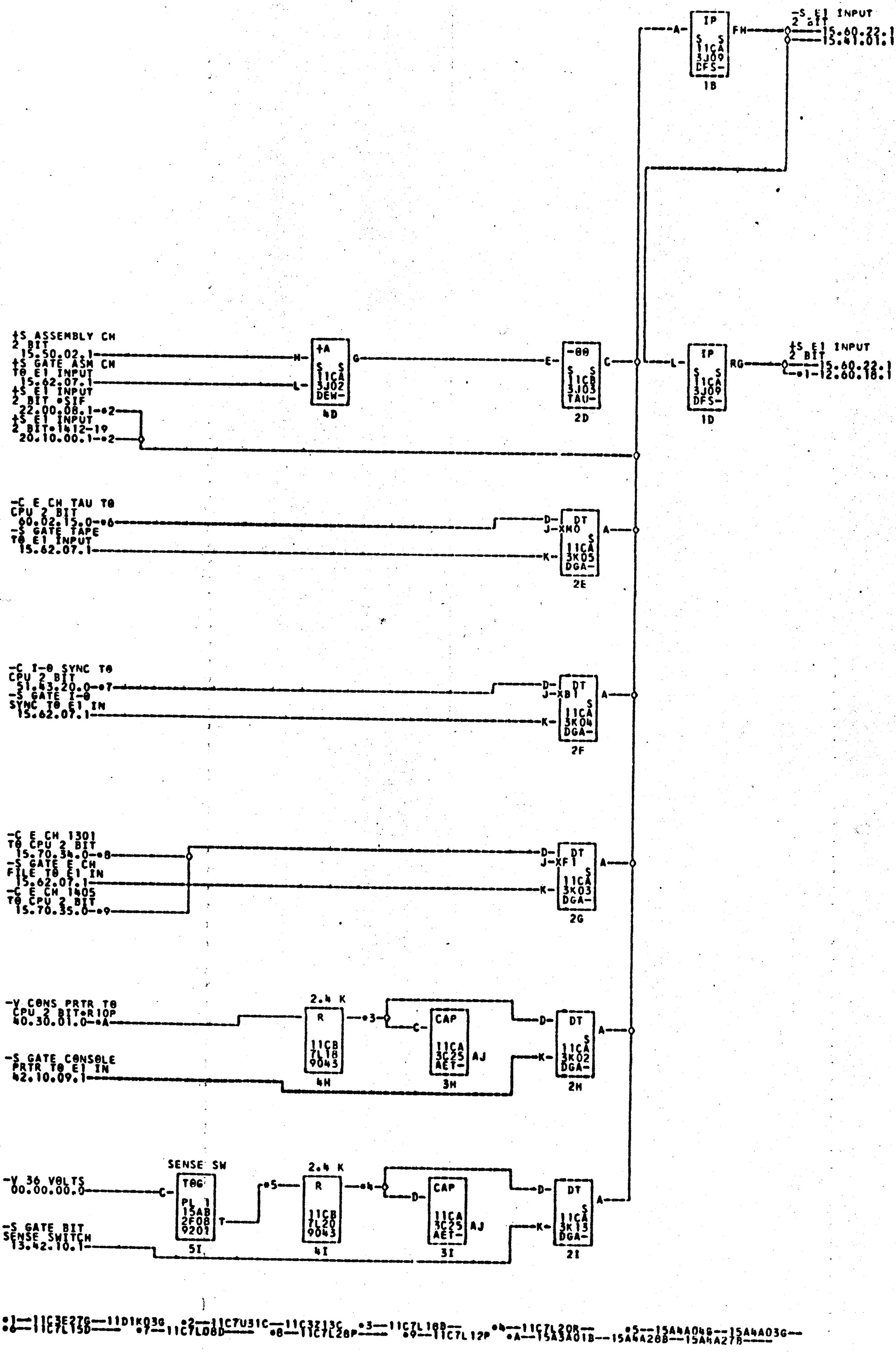
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COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773	B	10-24-62	251844	C	12-19-62	251829			

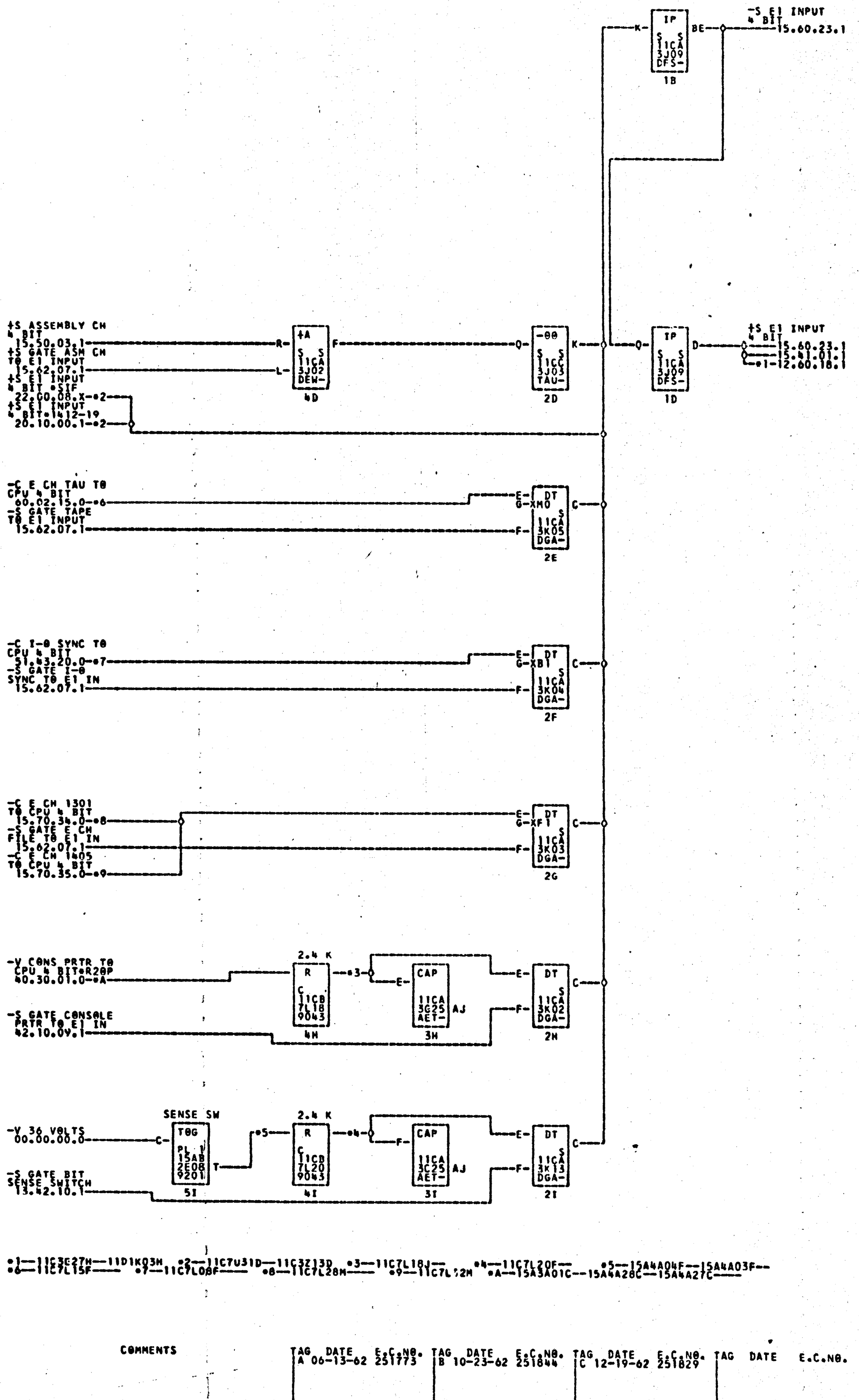
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COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773	B	10-23-62	251844	C	12-19-62	251829			

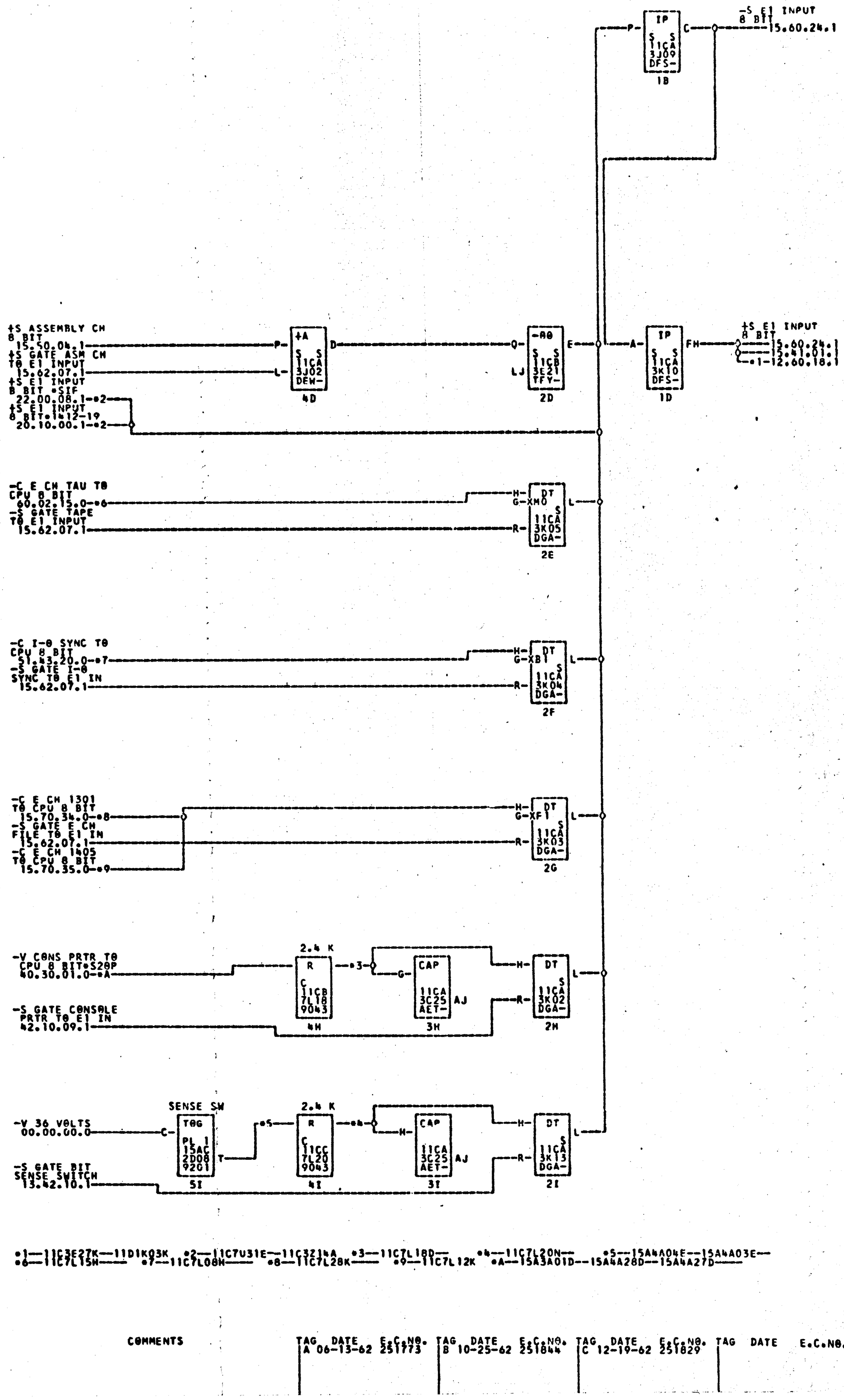


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COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773	B	10-23-62	251844	C	12-19-62	251829			

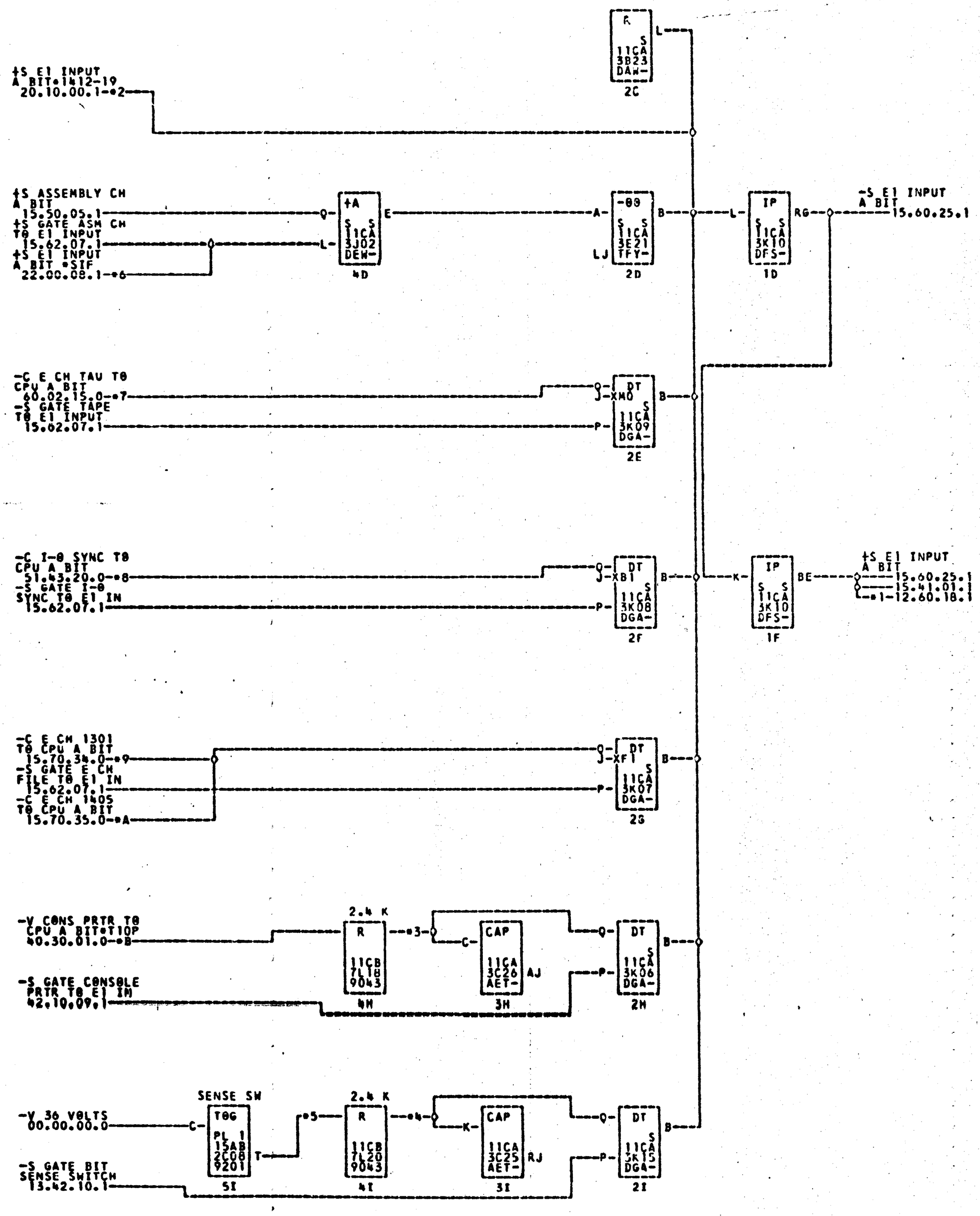
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COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773	B	10-25-62	251844	C	12-19-62	251829			

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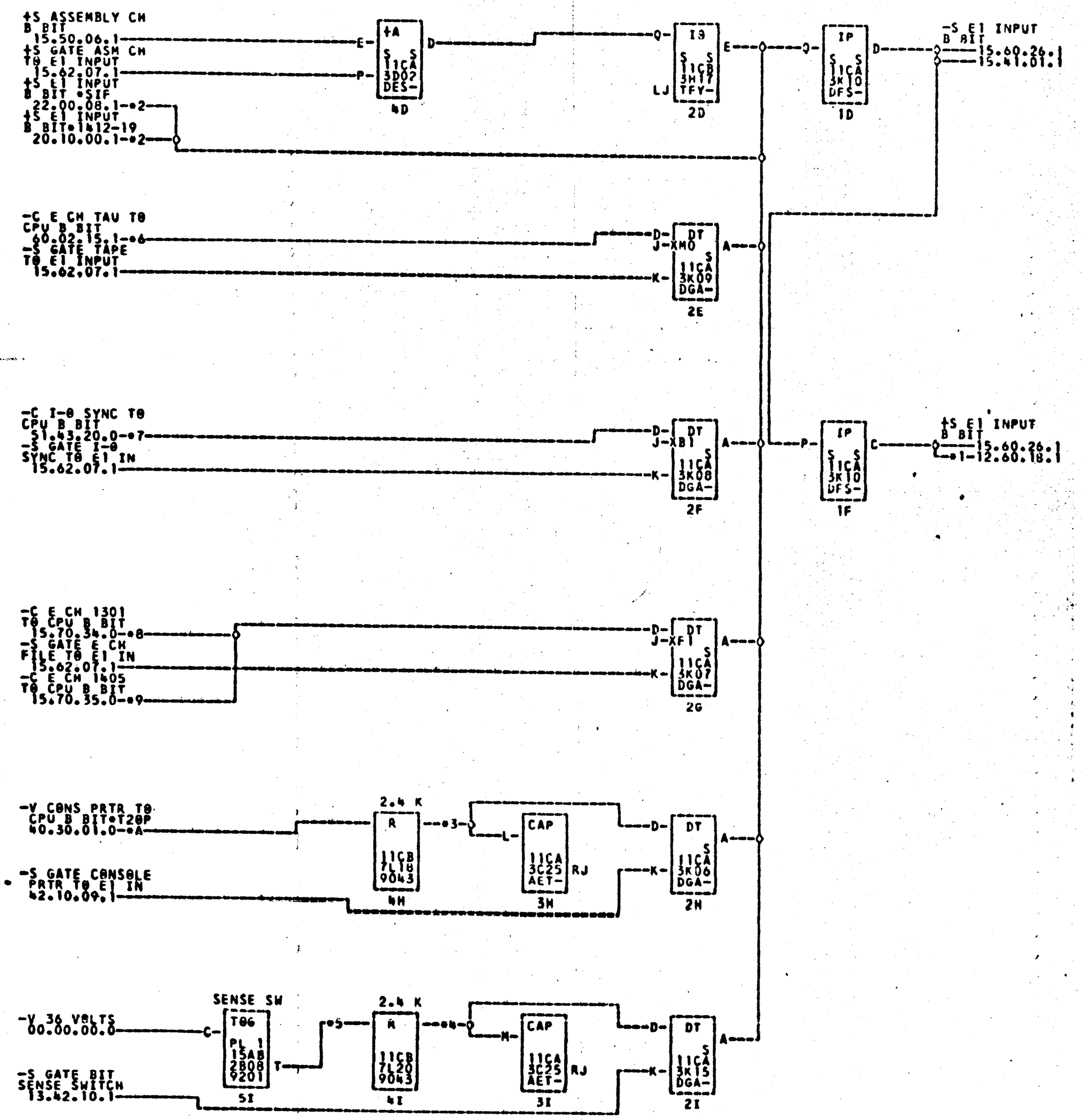


COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773	B	10-24-62	251844	C	12-19-62	251829			

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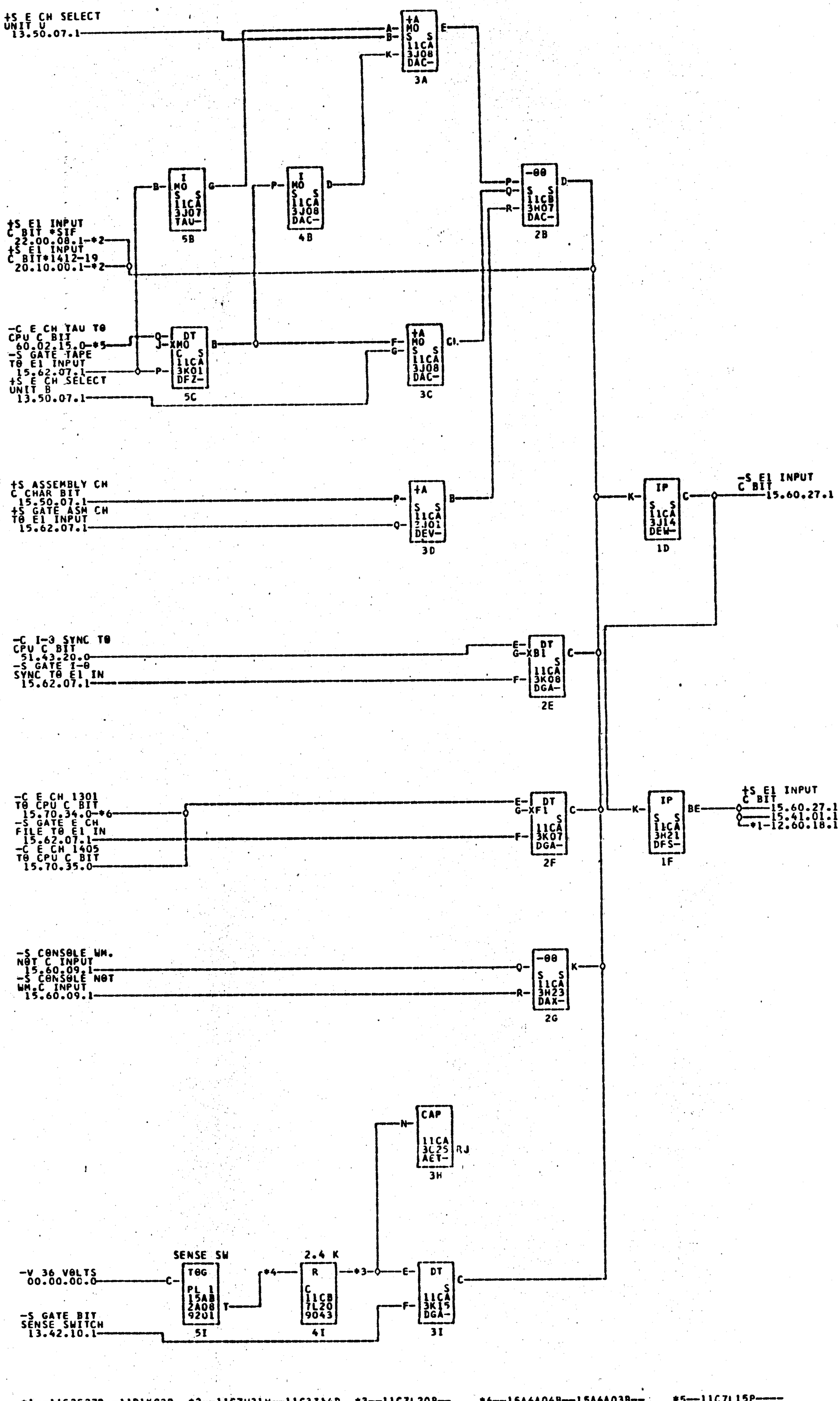
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COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
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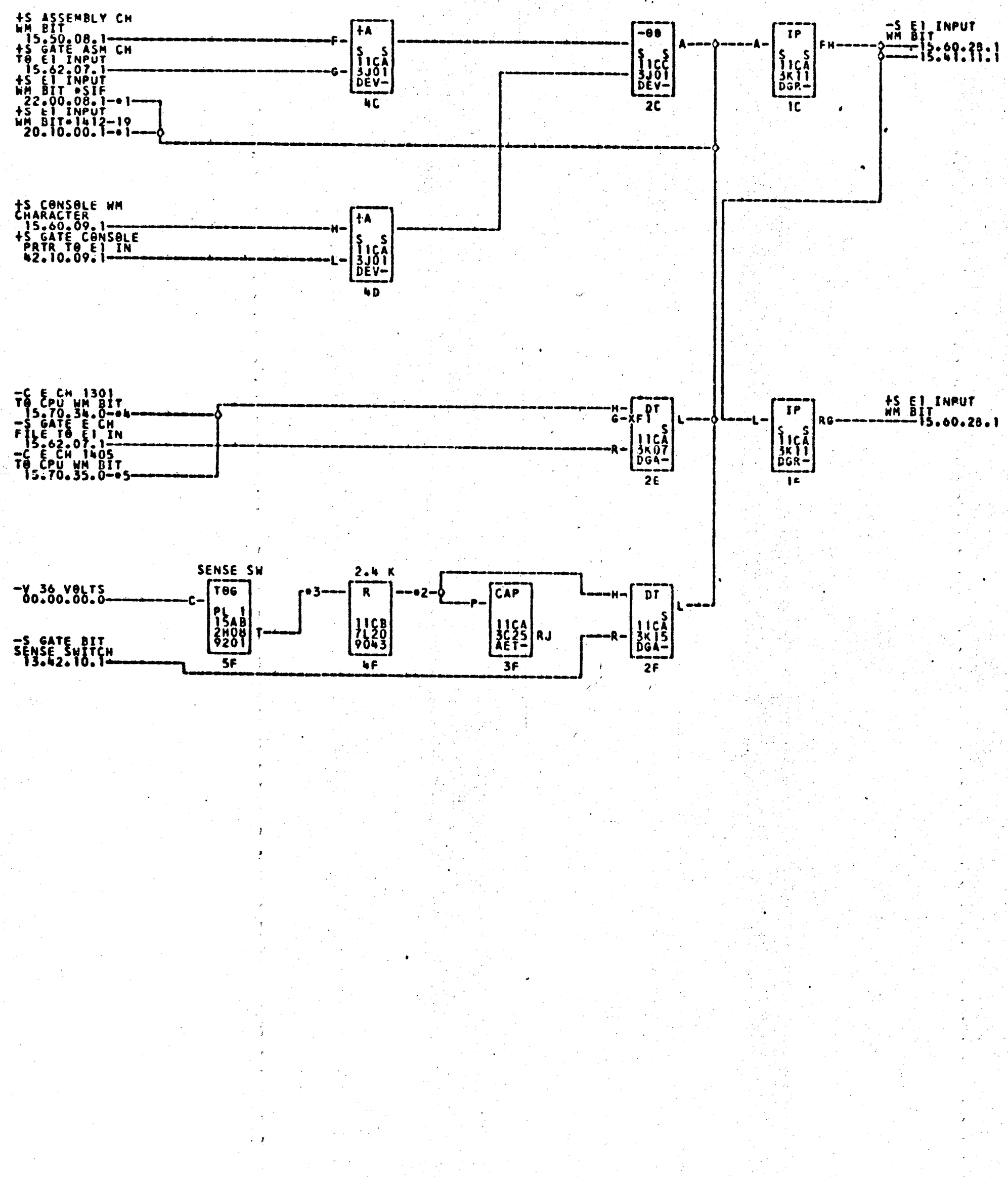
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COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
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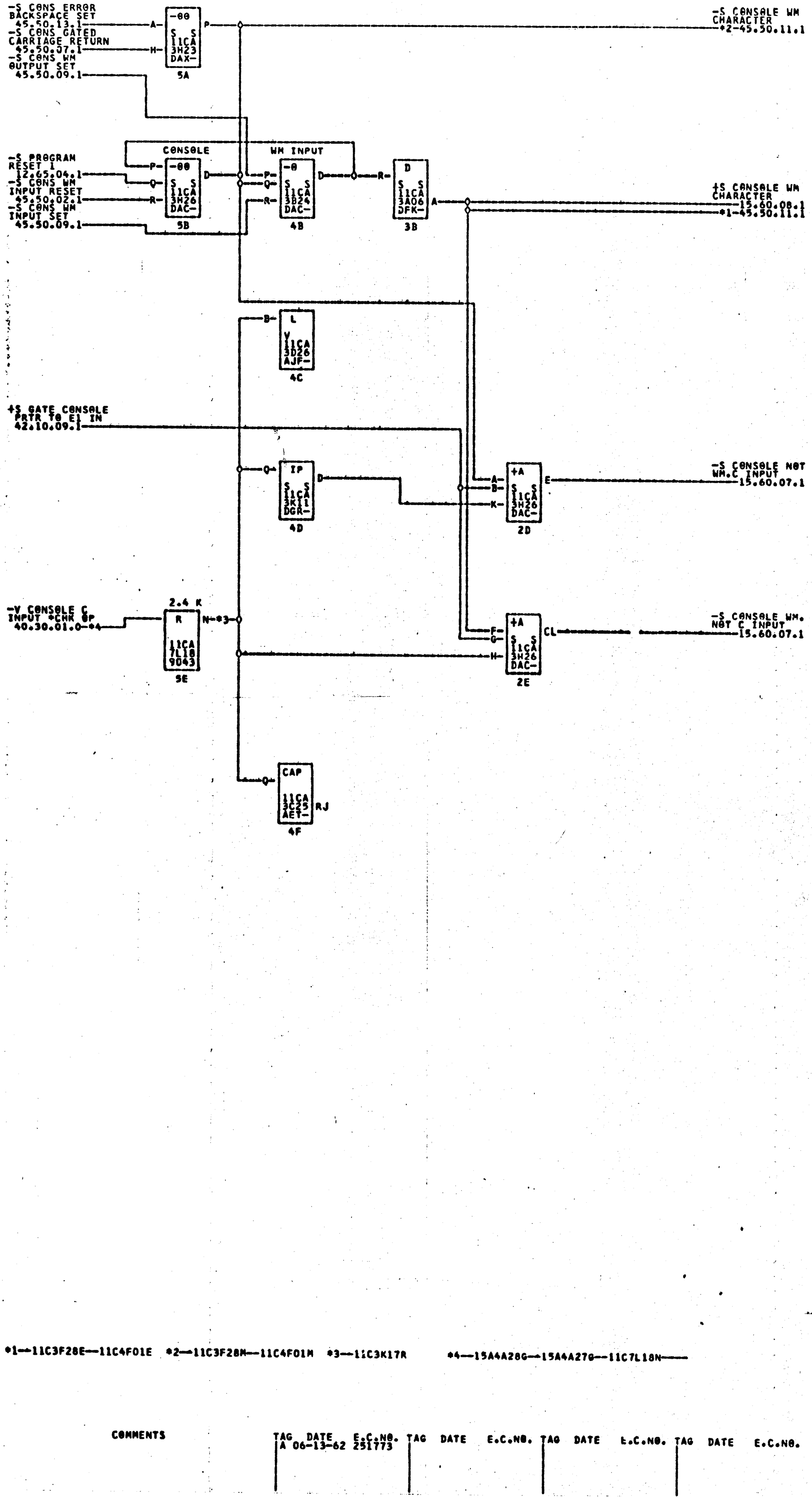


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COMMENTS

TAG	DATE	E.C.NO.
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B	10-23-62	251844
C	12-04-62	251851
D	12-19-62	251829

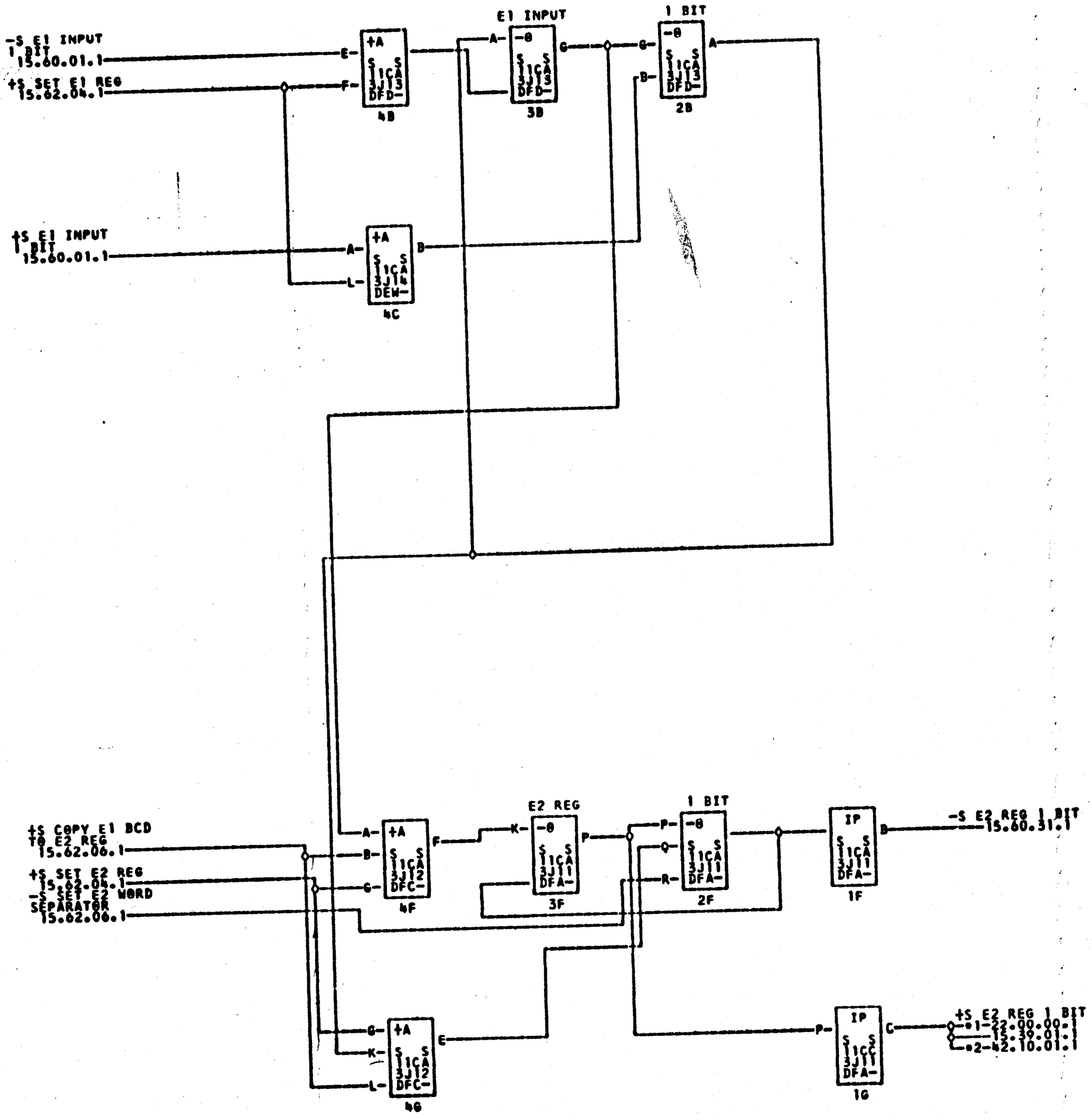
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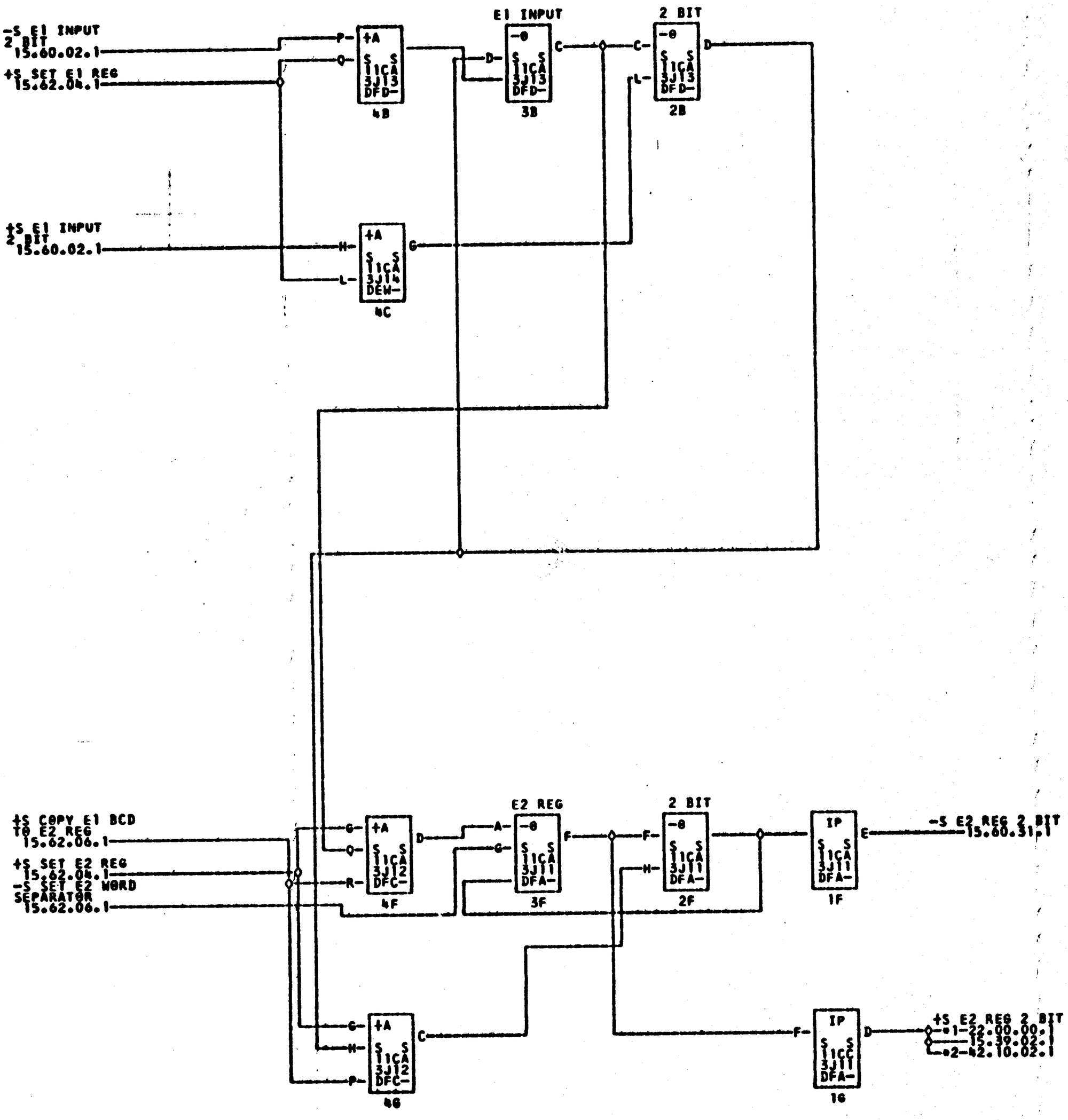
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TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	06-13-62	251773									



COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	00-00-00	109370F	B	06-15-61	249906	C	04-11-62	251132			

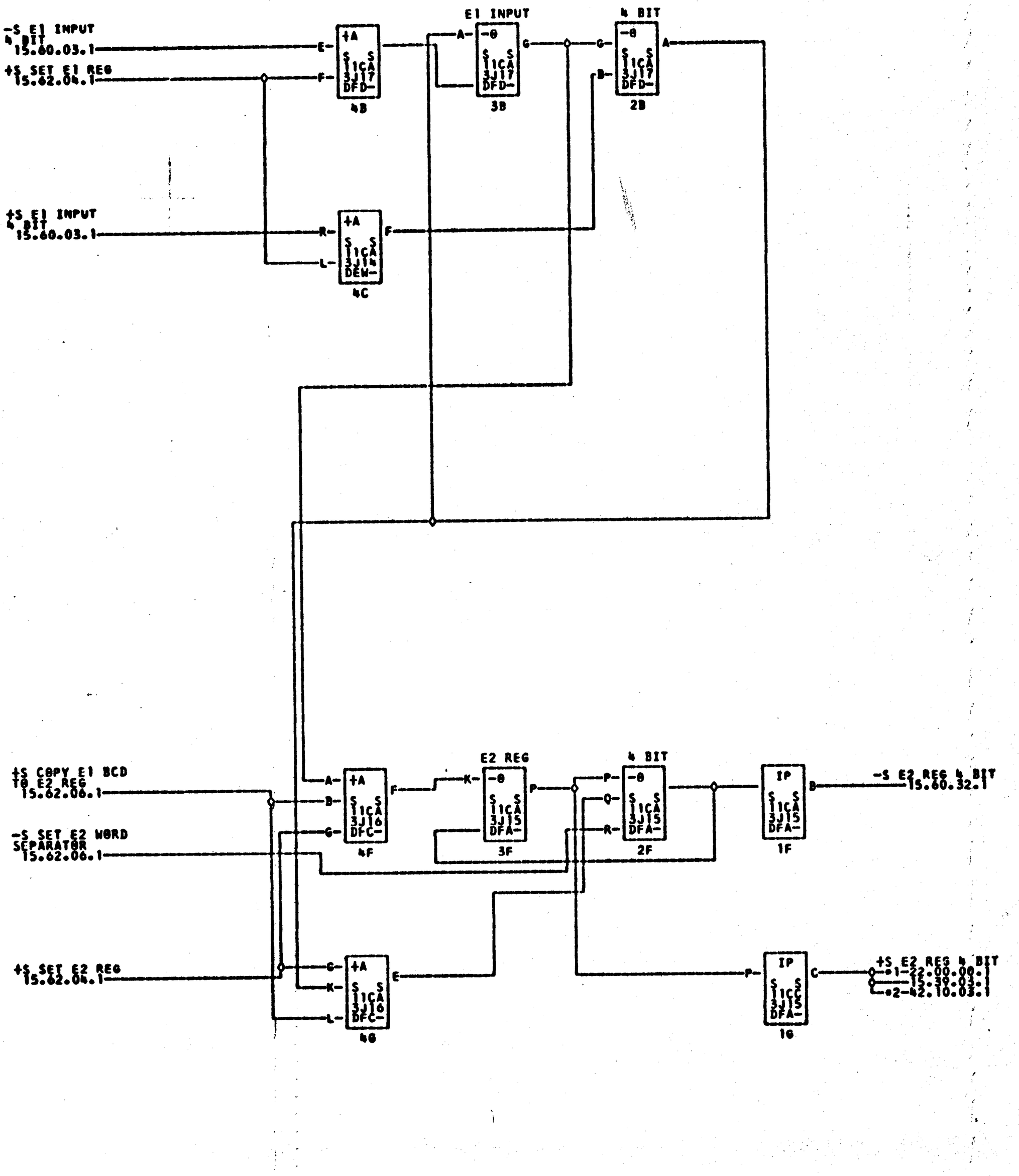


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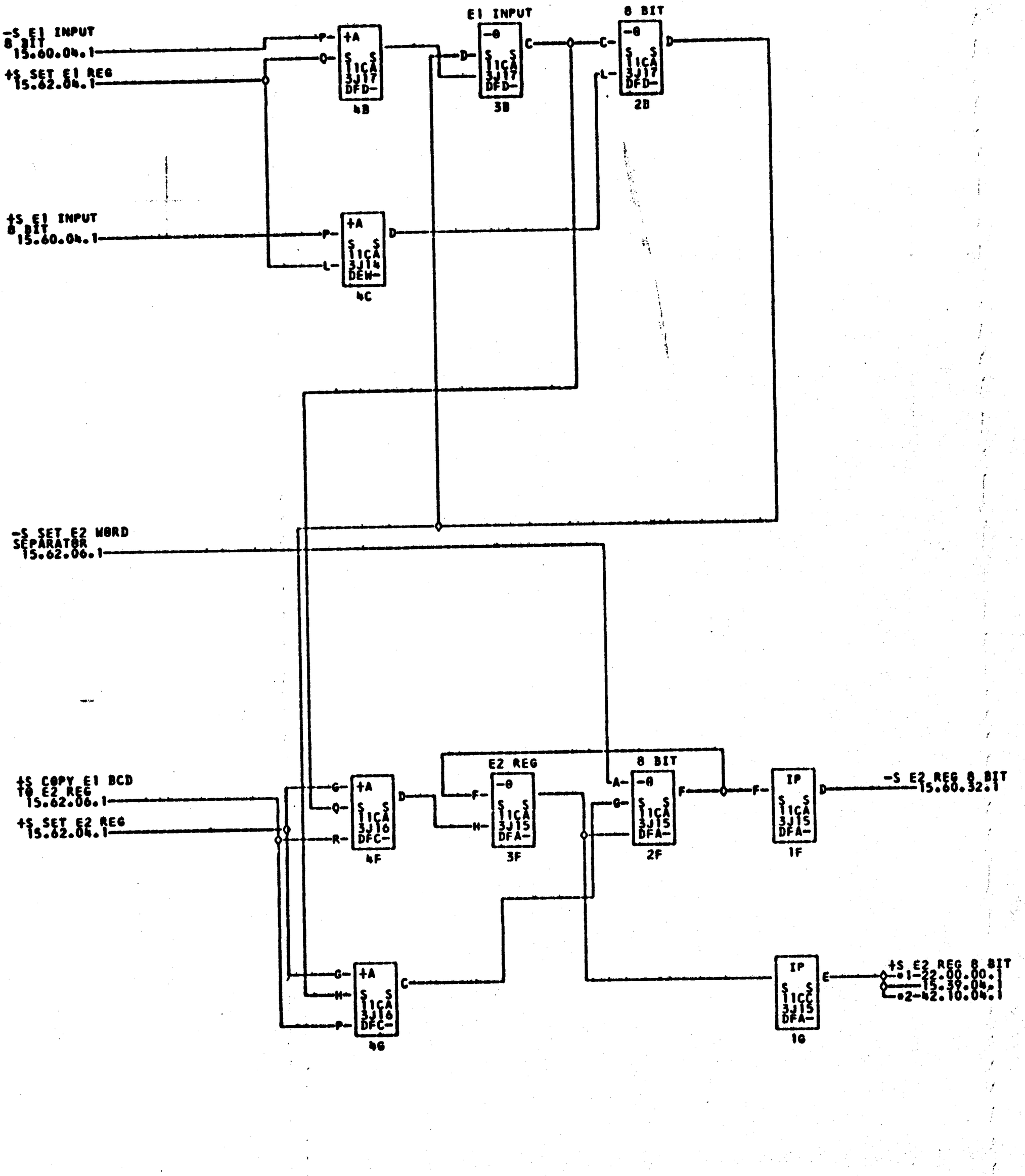
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A	00-00-00	109370F	B	06-15-61	249906	C	04-11-62	251132			

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COMMENTS

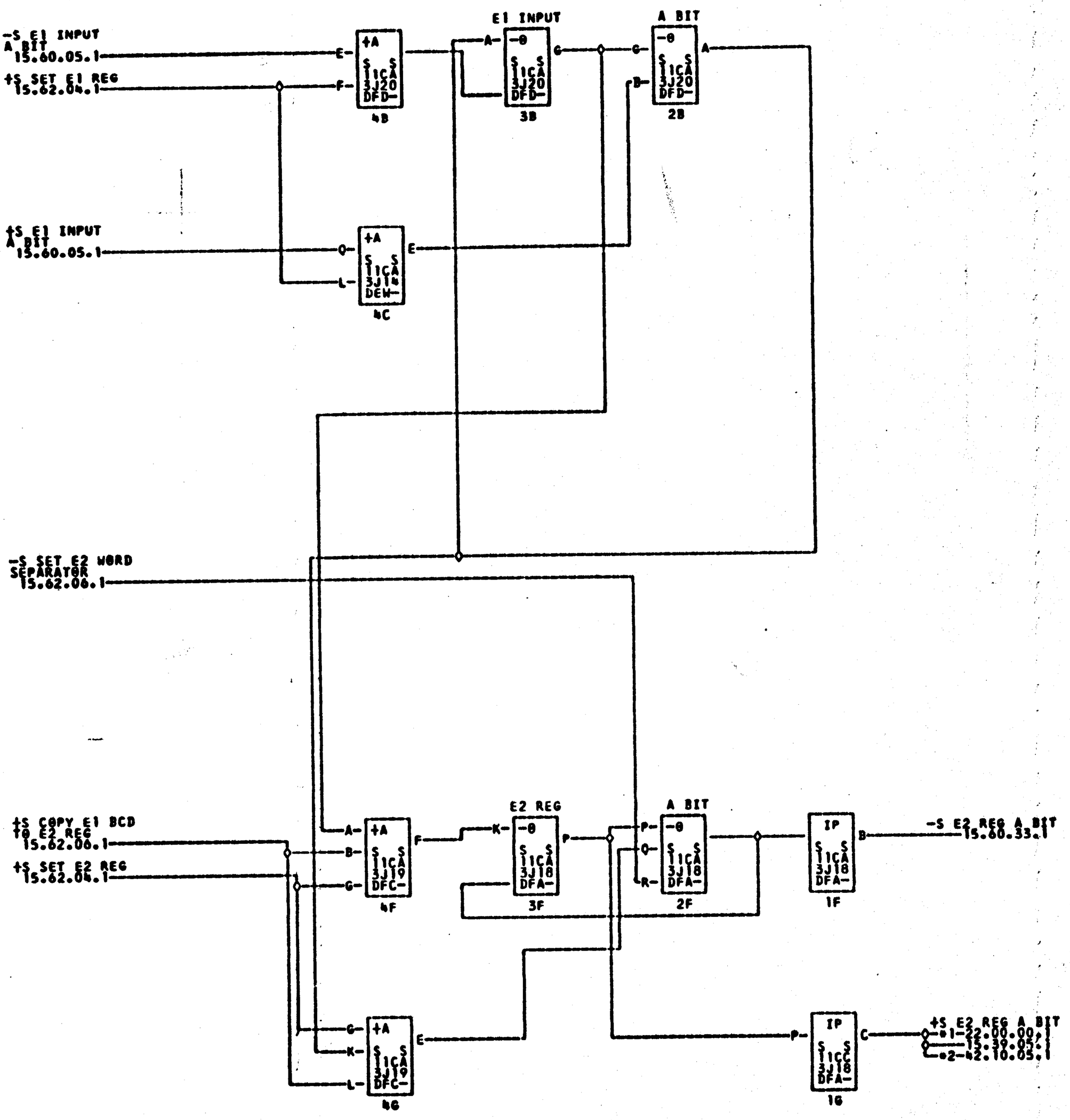
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•1—11C3Z17D—11C7U33D •2—11C3K28N—11C4K01N

COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	00-00-00	109370F	B	06-15-61	249906	C	04-11-62	251132			

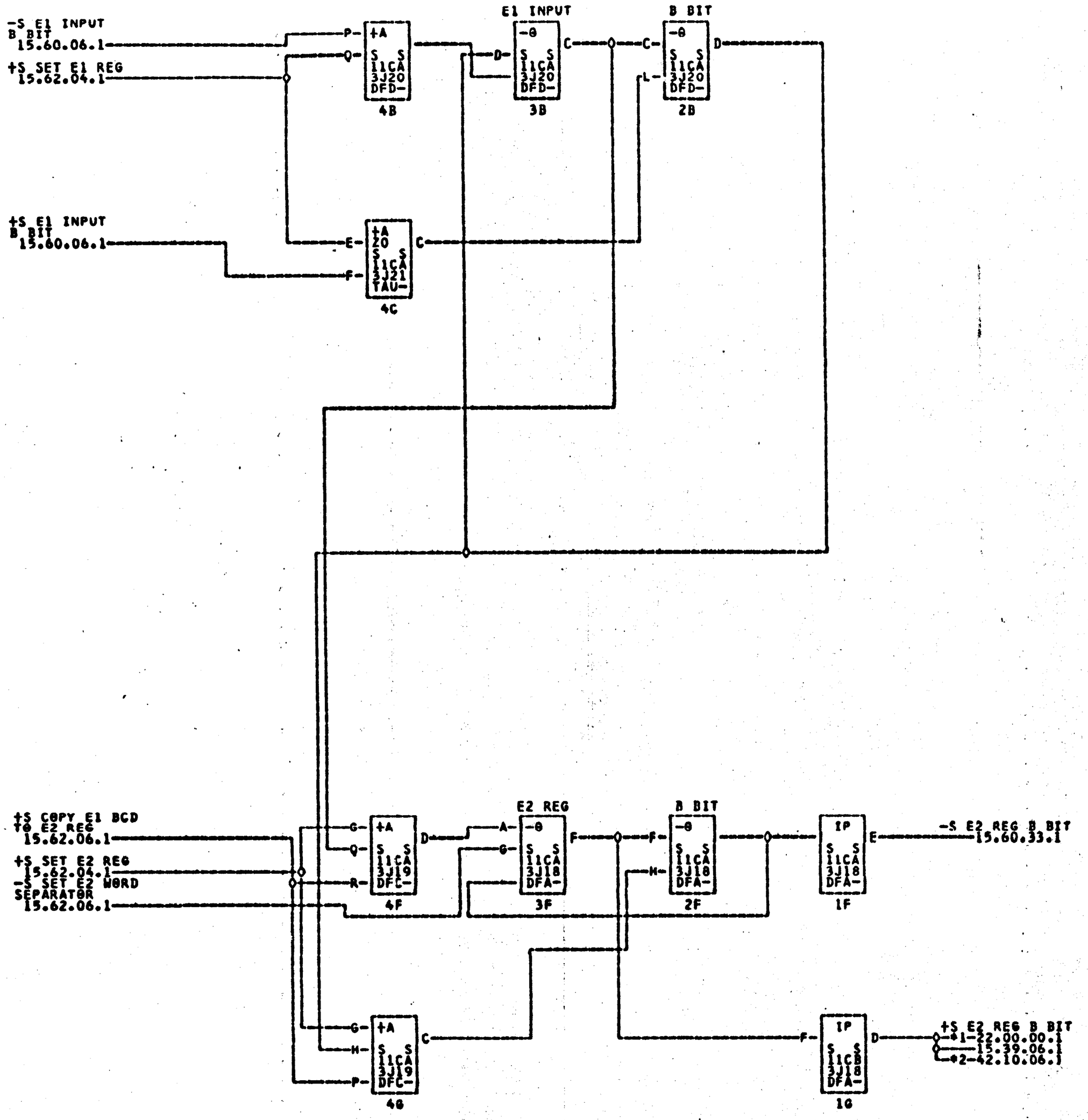


•1—11C3Z18A—11C7U33E •2—11C3K28M—11C4K01M

COMMENTS

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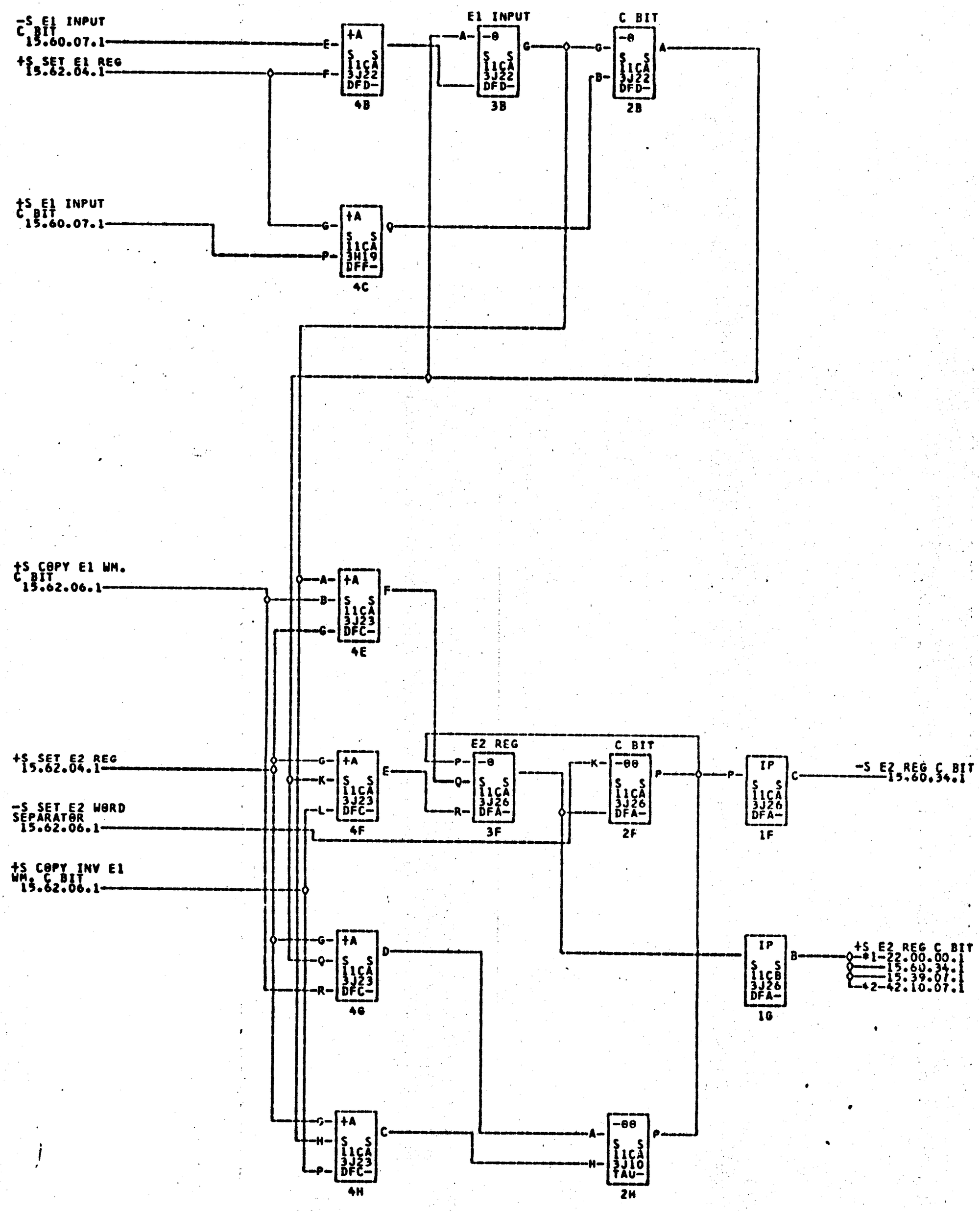
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*1—11C3Z18B—11C7U33F *2—11C3K28L—11C4K01L

COMMENTS	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
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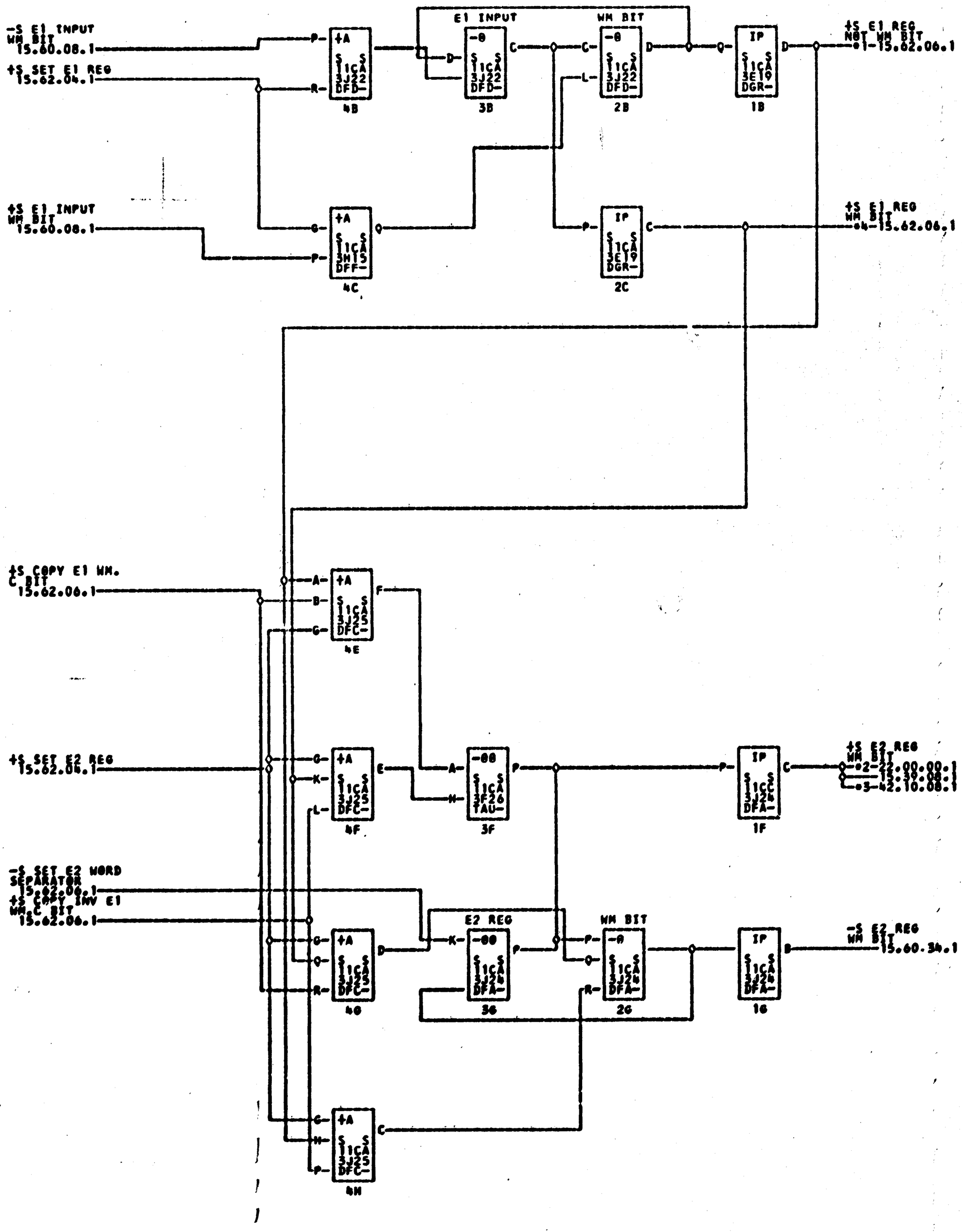


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COMMENTS

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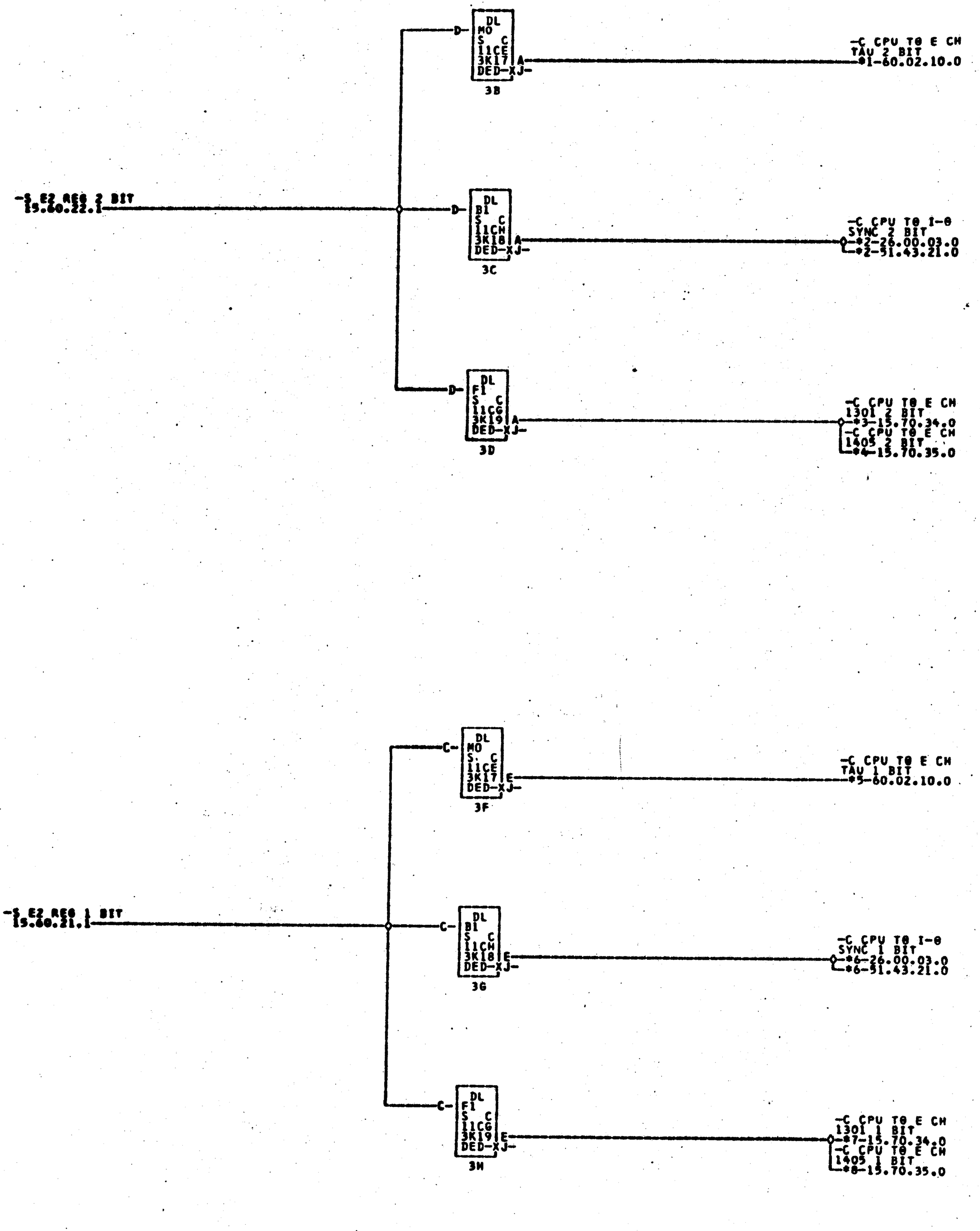
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C	04-11-62	251132

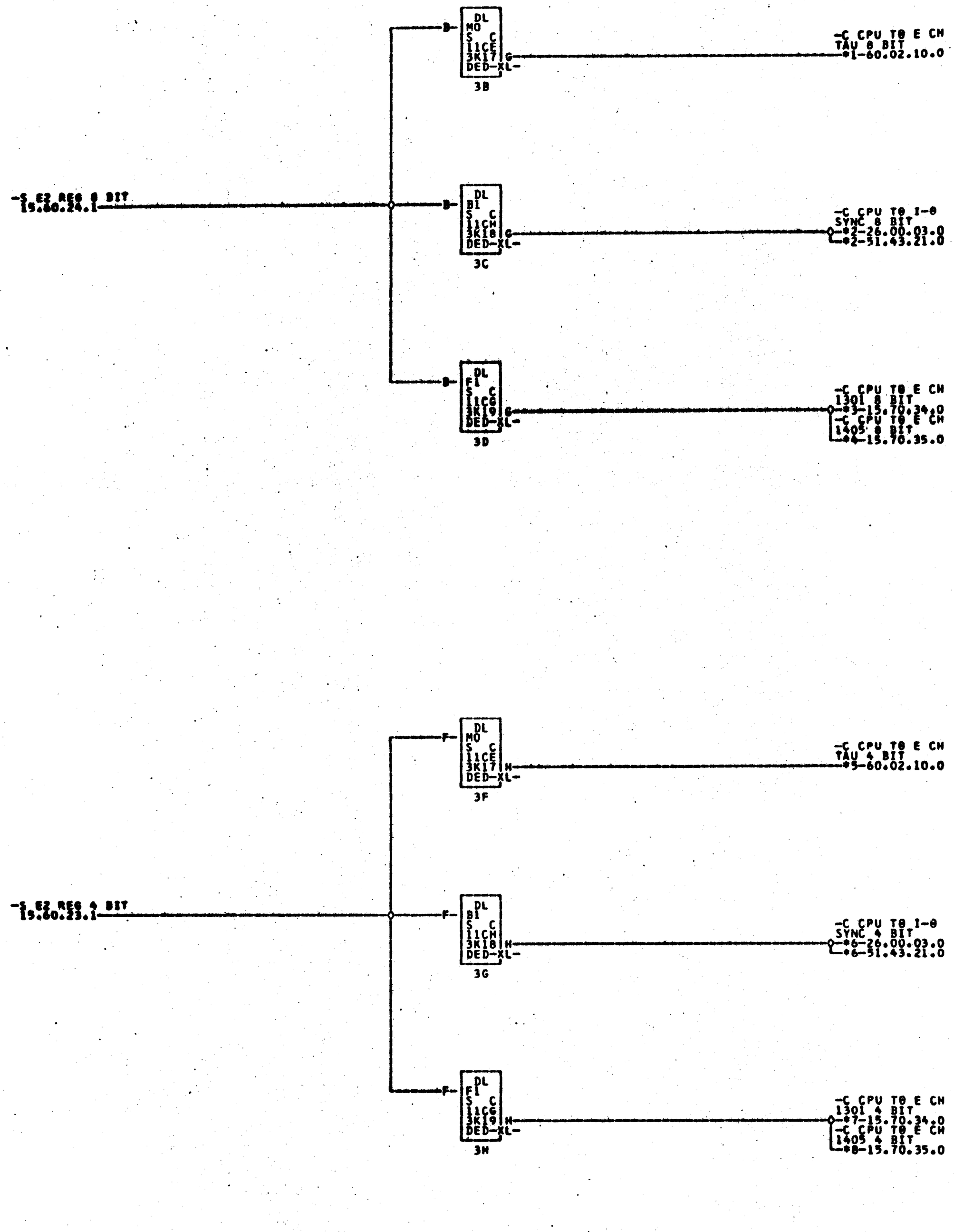
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COMMENTS

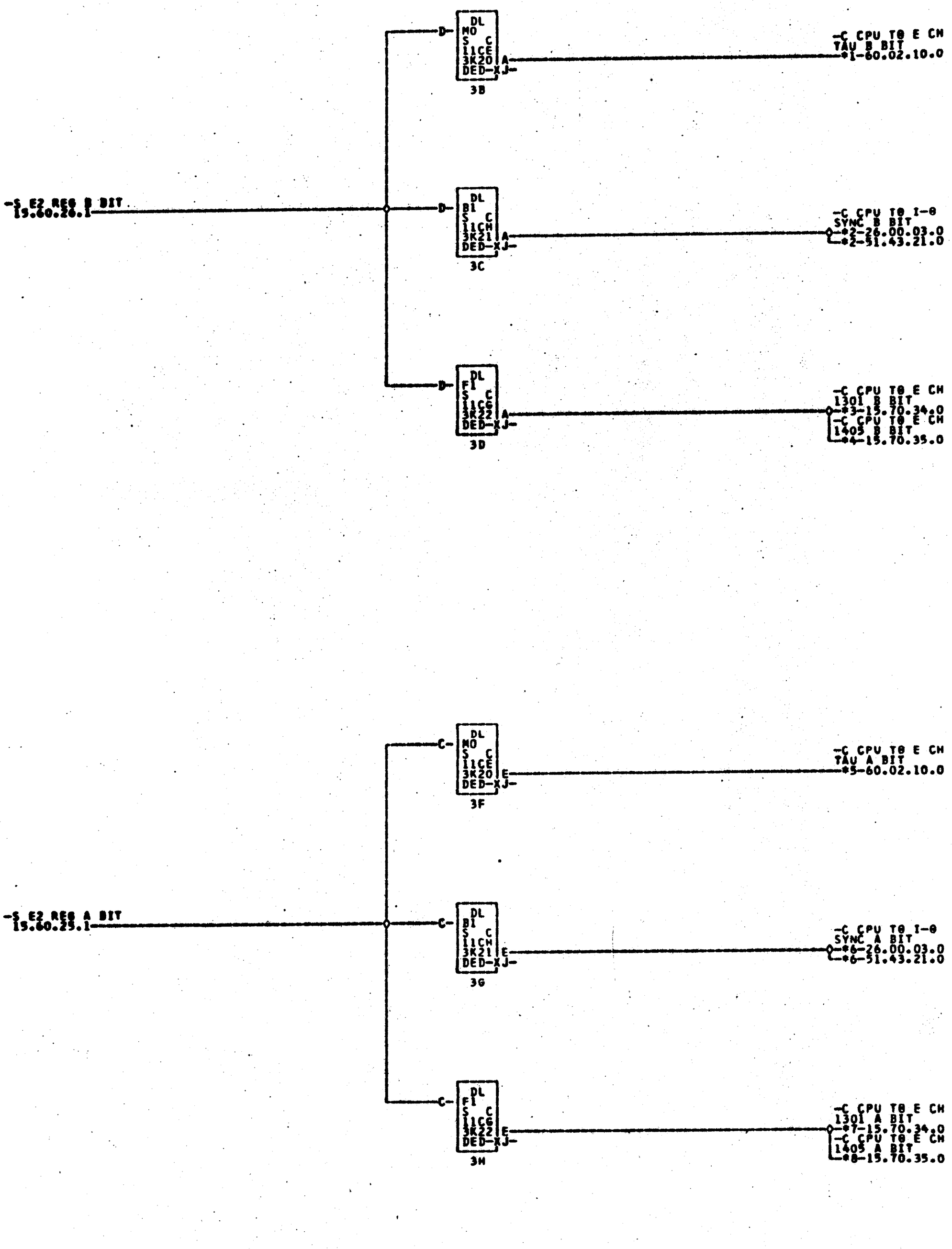
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E	03-07-62	251134	F	08-02-62	250753	G	08-17-62	251809	H	11-01-62	251839



*1—11C7L16P *2—11C7L07N *3—11C7L27K *4—11C7L11K *5—11C7L16M *6—11C7L07F *7—11C7L27M *8—11C7L11M

COMMENTS

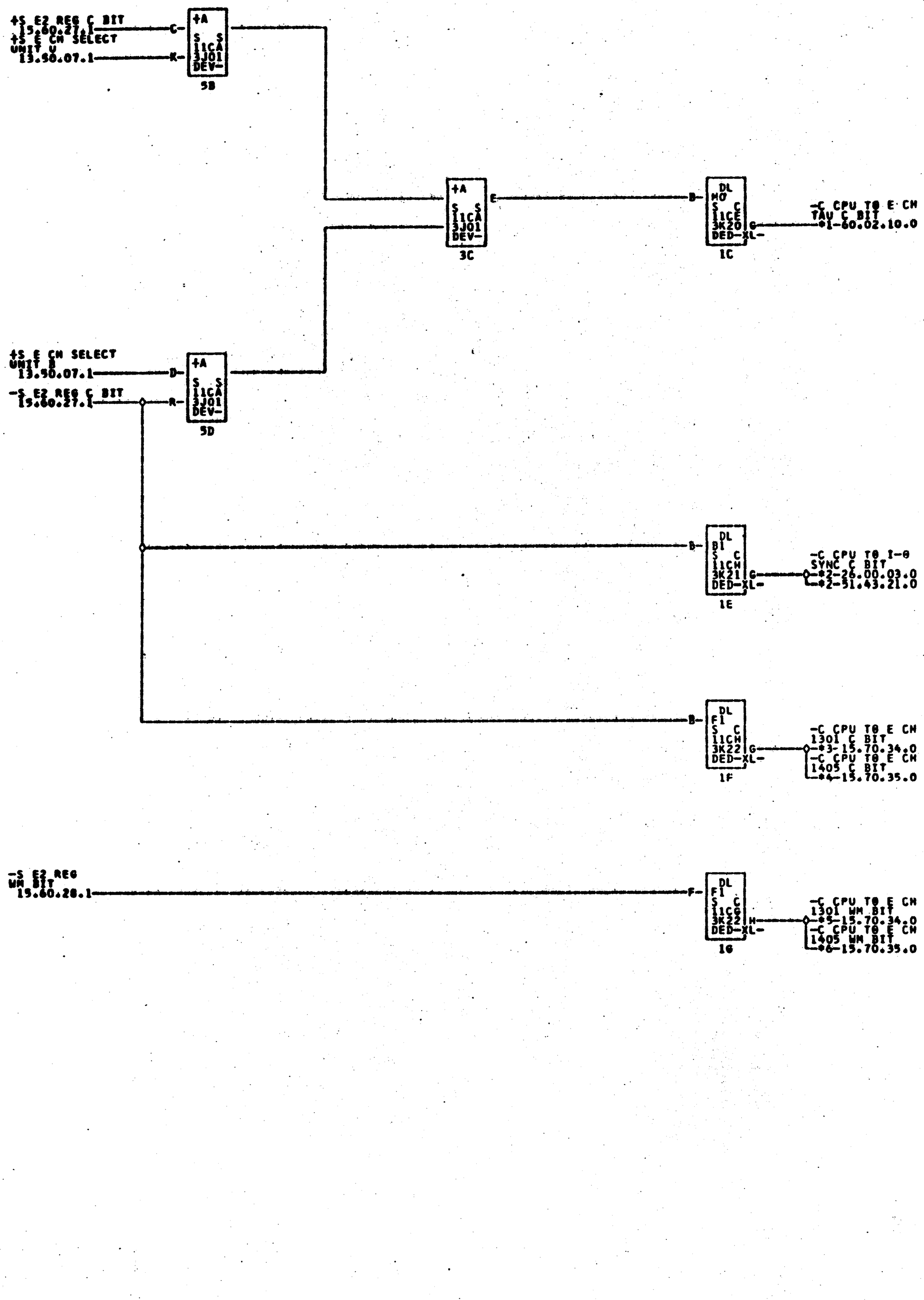
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E	03-07-62	251134	F	08-02-62	250753	G	08-17-62	251809	H	11-01-62	251839



*1—11C7L16D *2—11C7L07N *3—11C7L27F *4—11C7L11H *5—11C7L16B *6—11C7L07K *7—11C7L27H *8—11C7L11F

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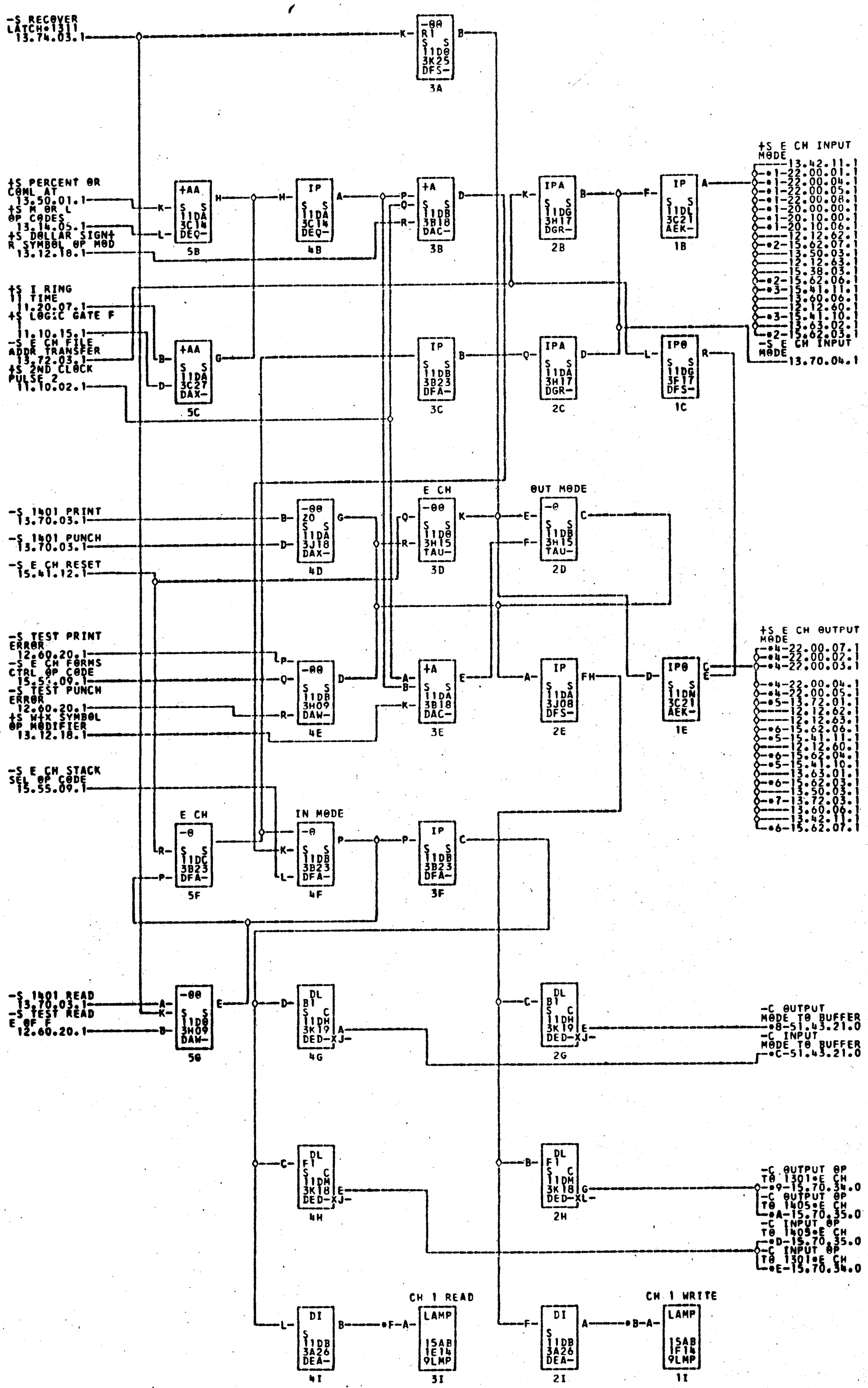
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E	03-07-62	251134	F	08-02-62	250753	G	08-17-62	251809	H	11-01-62	251839



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COMMENTS

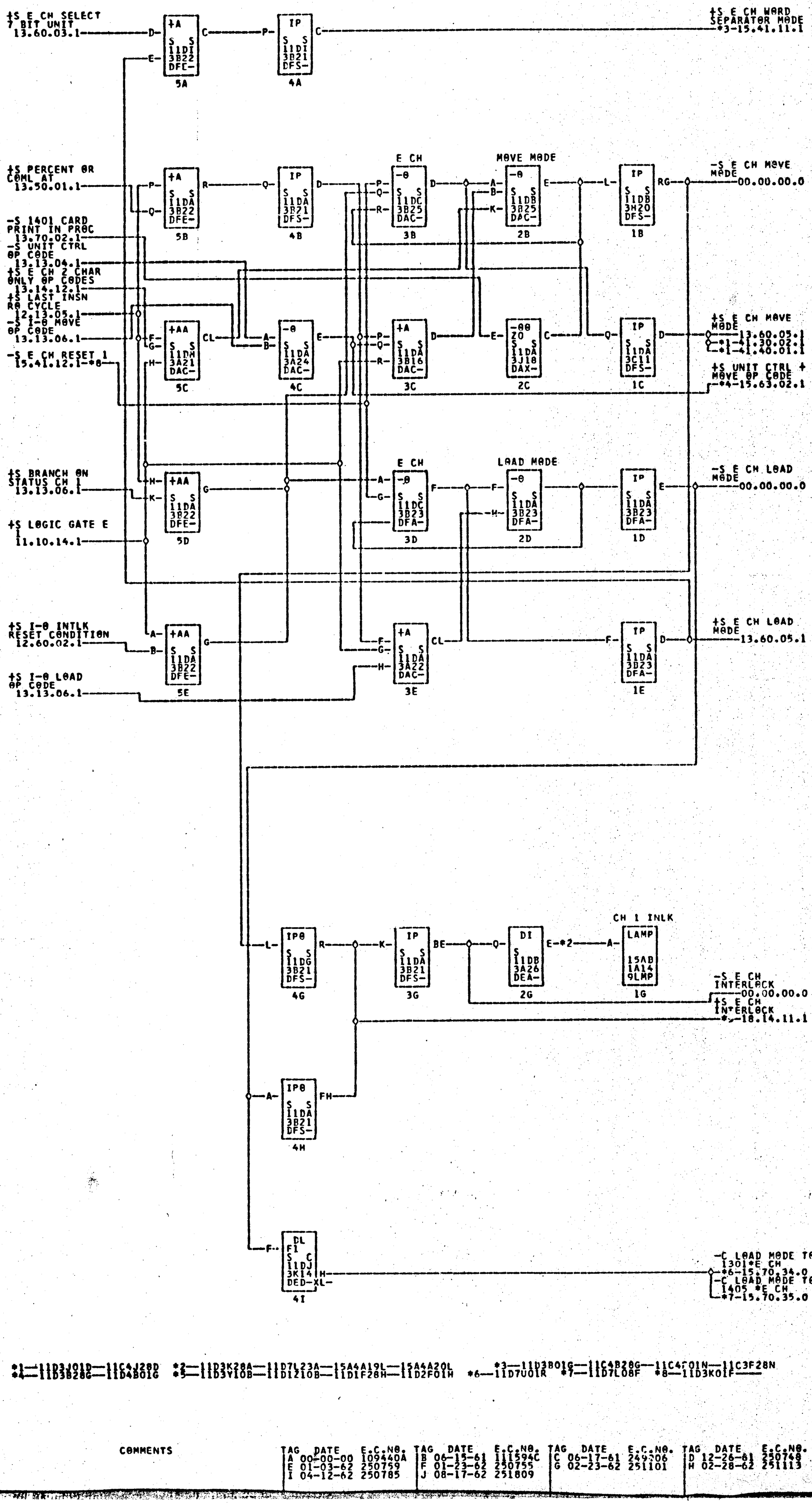
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E	03-07-62	251134	F	08-02-62	250753	G	08-17-62	251809	H	11-01-62	251839



•1—11D3Z06D—11D7U25H •2—11D3B01D—11C4B28D •3—11D3B01D—11C4B28D—11C4E01K—11C3E28K
•4—11D3B01E—11C4B28E—11C4E01Q—11C3E28Q—11C3Z20B—11C7U33P •5—11D3B01E—11C4B28E—11C4E01Q—11C3E28Q
•6—11D3B01E—11C4B28E •7—11D3A09N—11D1K09N—11D1G27M—11D2G02M •8—11D7L24D •9—11D7U01P •A—11D7L08B
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COMMENTS

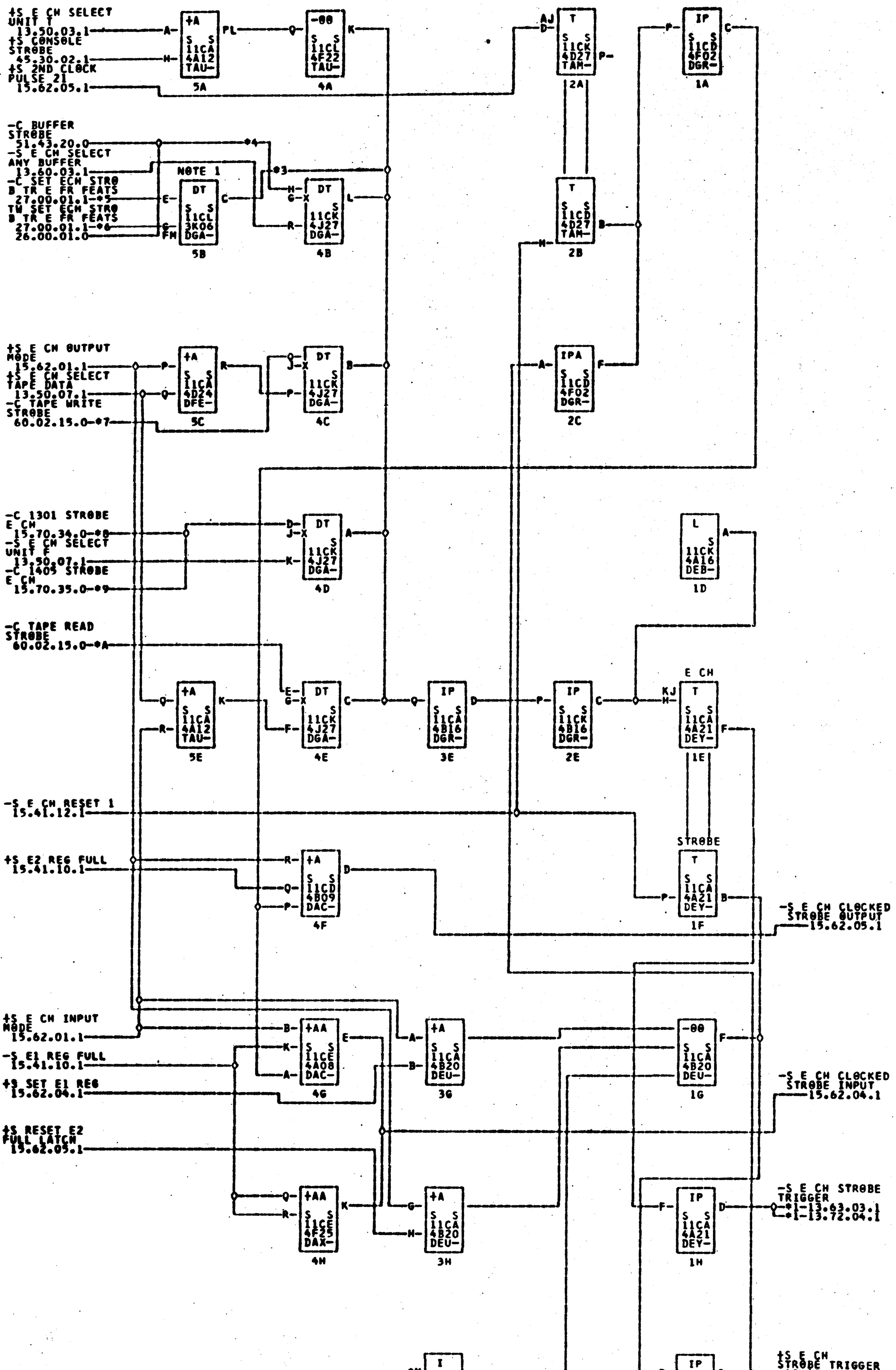
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I	03-20-62	251127	J	04-11-62	251132	K	04-23-62	250786	L	07-16-62	250787
M	08-17-62	251809	N	08-23-62	251772	O	11-08-62	251829			



*1—11D3J01D—11C4J28D *2—11D3K28A—11D7L23A—15A4A19L—15A4A20L *3—11D3B01G—11C4B28G—11C4F01N—11C3F28N
*4—11D3B28G—11D4B01G *5—11D3V10B—11D12I0B—11D1F28H—11D2F01H *6—11D7U01R *7—11D7L08F *8—11D3K01F

COMMENTS

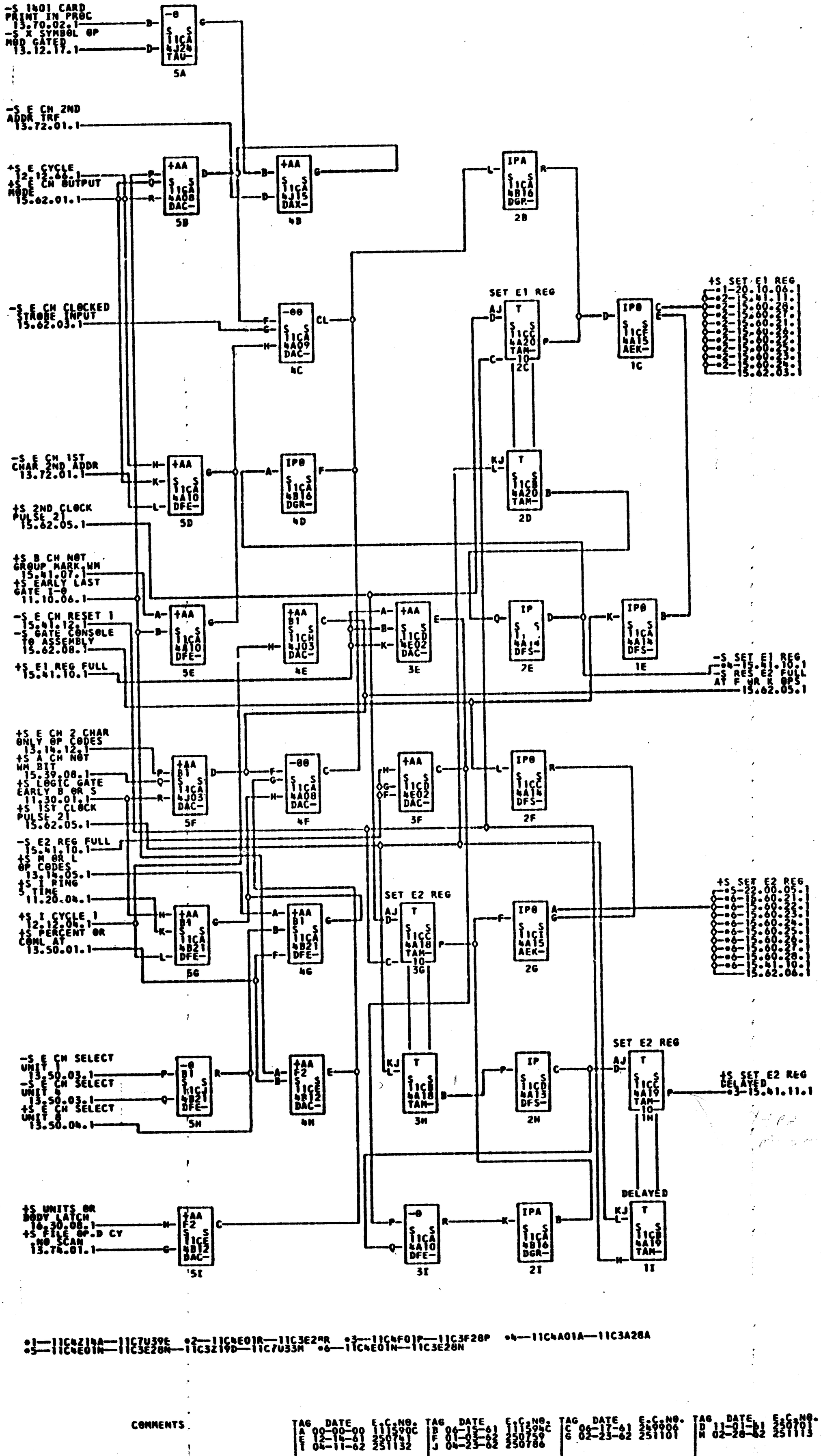
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E	01-03-62	250759	F	01-23-62	250755	G	02-23-62	251101	H	02-28-62	251113
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NOTE 1 WIRE FOR FEATURES ONLY

COMMENTS

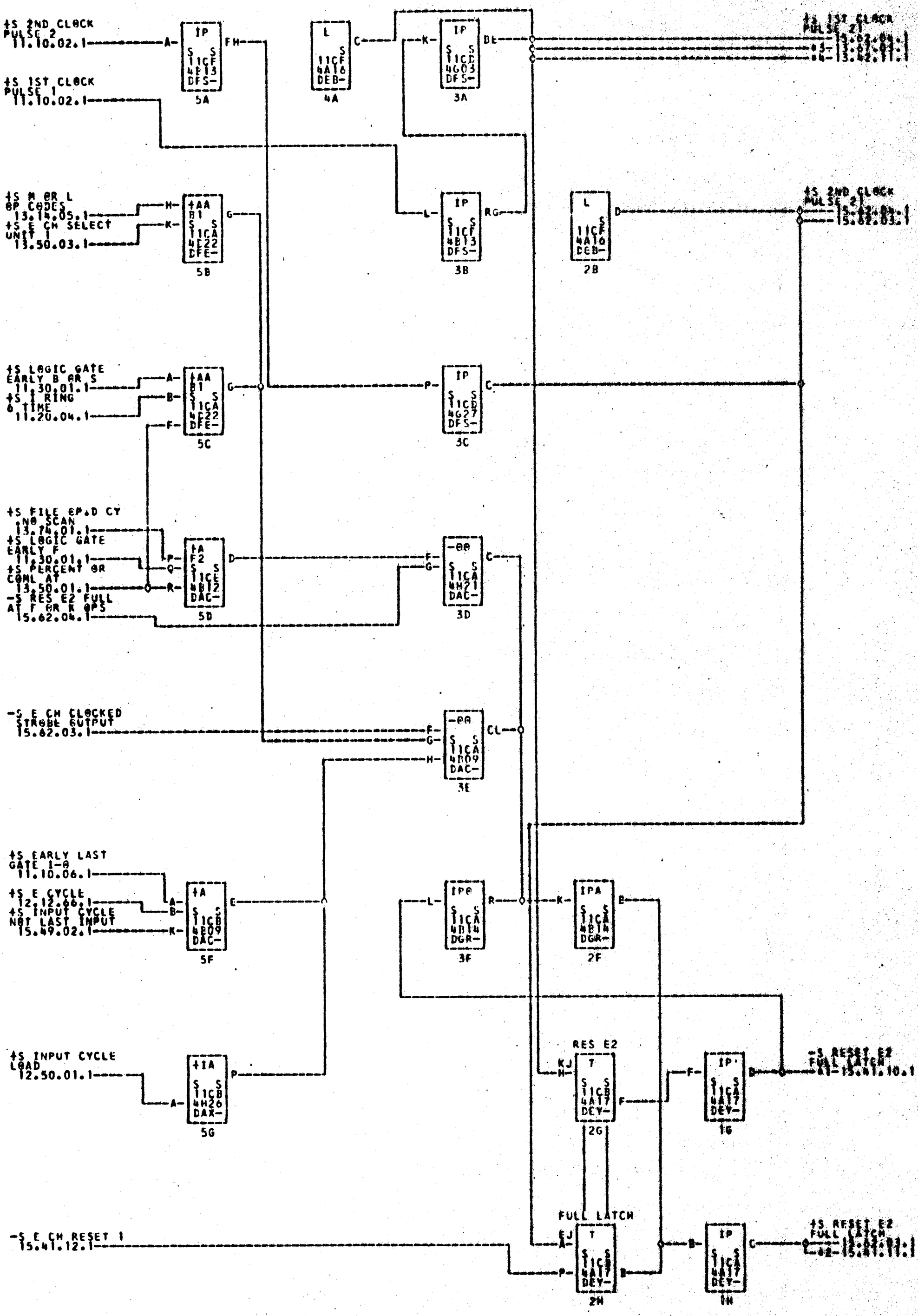
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I	03-07-62	251134	J	04-11-62	251132	K	04-23-62	250786	L	05-08-62	251179
N	08-17-62	251809				0	11-01-62	251839			



•1—11C4Z14A—11C7U39E •2—11C4E01R—11C3E28R •3—11C4F01P—11C3F28P •4—11C4A01A—11C3A28A
•5—11C4E01N—11C3E28N—11C3Z19D—11C7U33M •6—11C4E01N—11C3E28N

COMMENTS

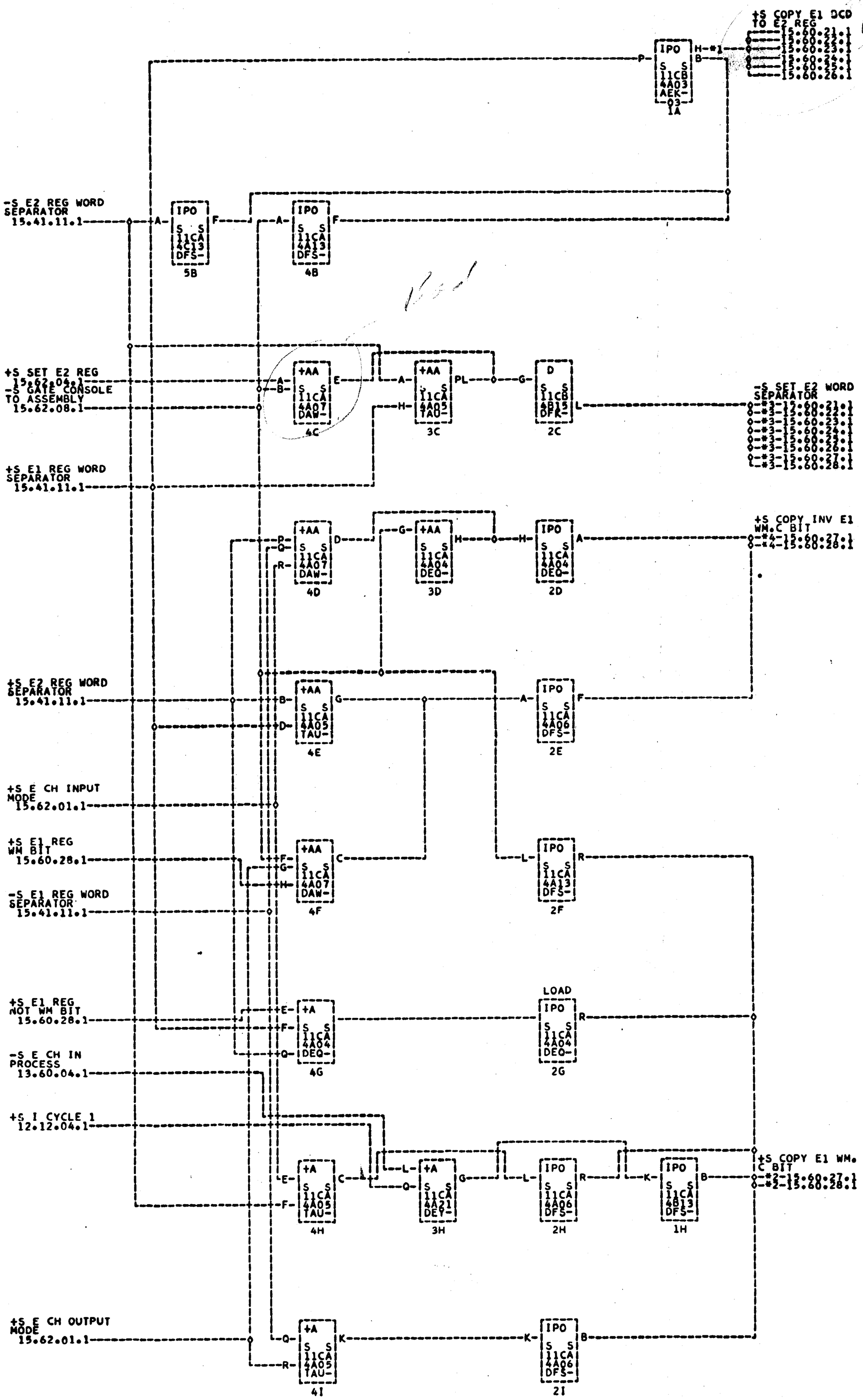
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E	12-14-61	250741	F	01-03-62	250759	G	02-23-62	251101	H	02-28-62	251113
I	04-11-62	251132	J	04-23-62	250786						



•1—11C4E01P—11C3E28P •2—11C4C02E—11C3C27E •3—11C4J28L—11D3J01L—11D3J28K—11D4J01K •4—11C4J28L—11D3J01L

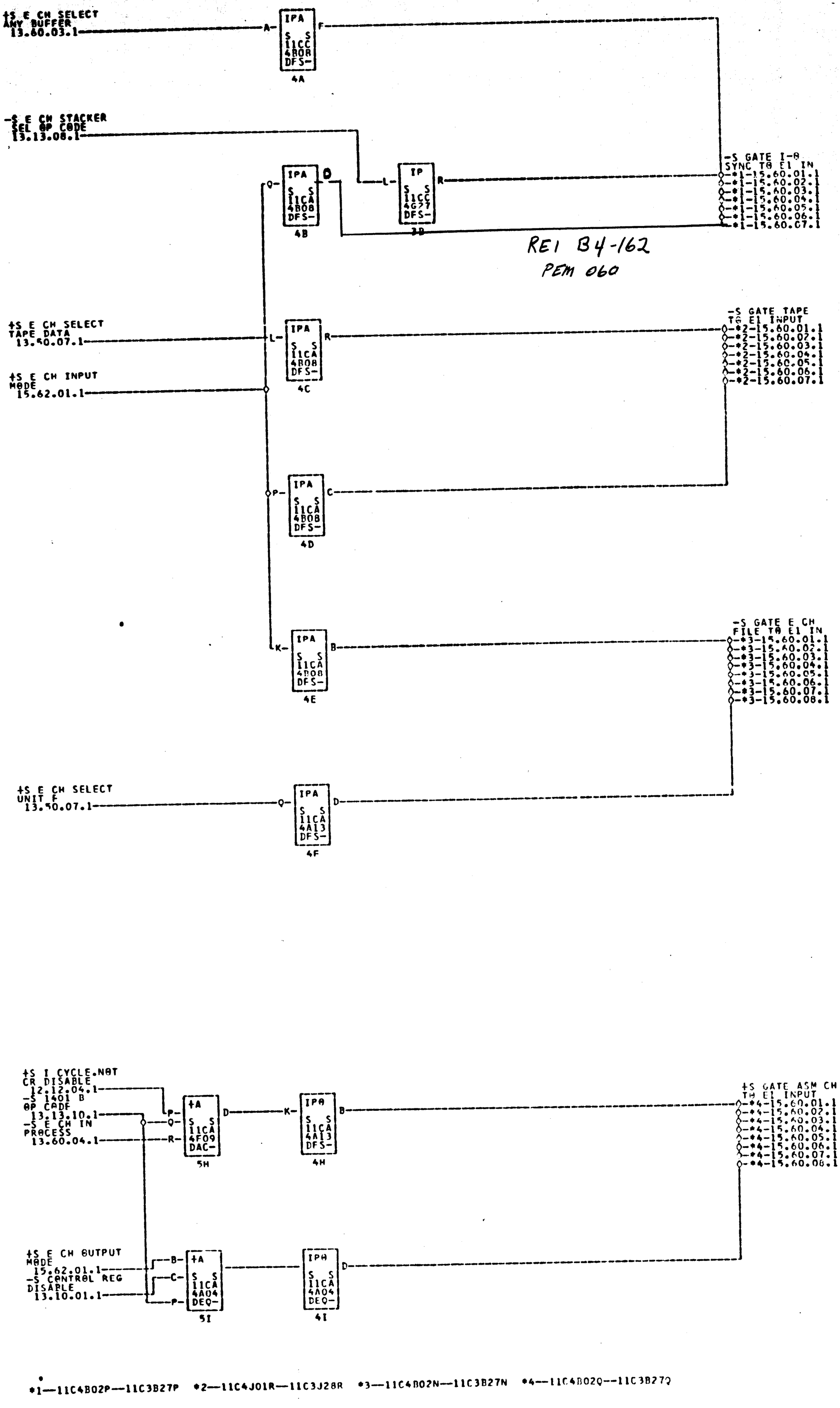
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E	12-14-61	250741	F	04-12-62	250785						



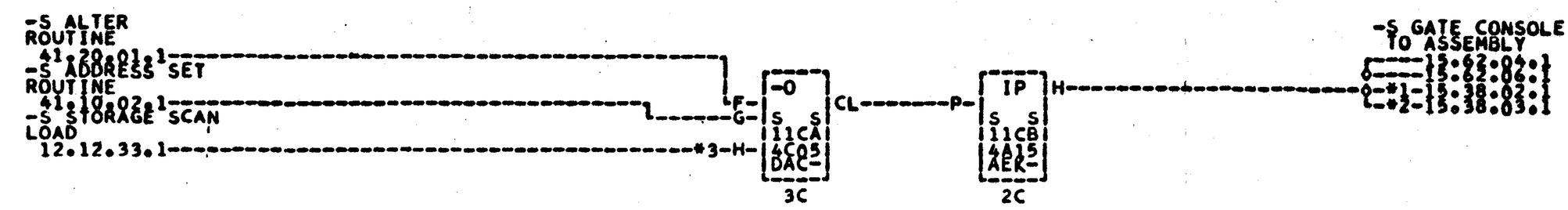
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COMMENTS	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
	A	00-00-00	109426	B	06-15-61	249906						



*1—11C4B02P—11C3B27P *2—11C4J01R—11C3J28R *3—11C4B02N—11C3B27N *4—11C4B02Q—11C3B27Q

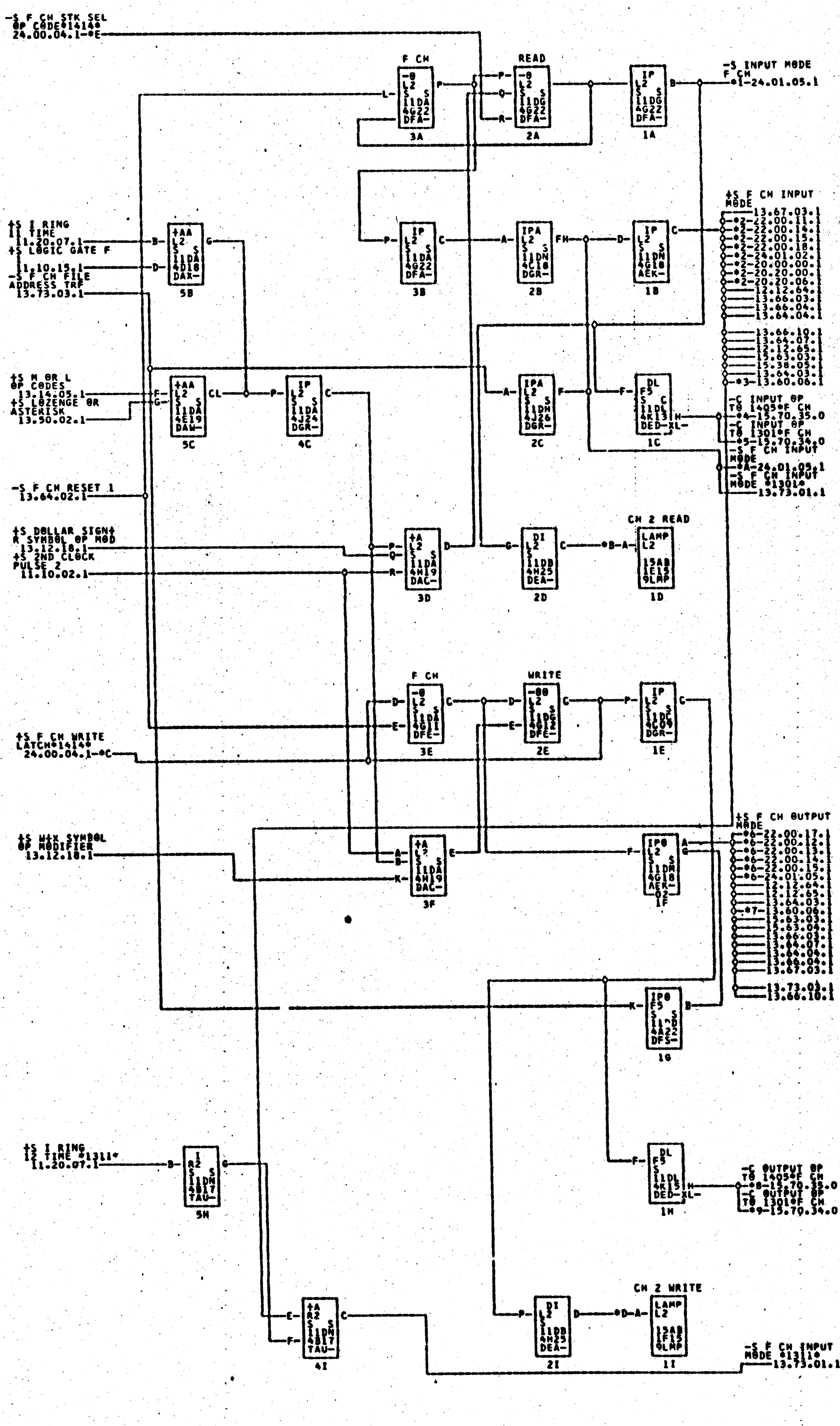
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*1--11C4C02B--11C3C27B *2--11C4A28M--11D3A01M *3--11C4K02K

COMMENTS

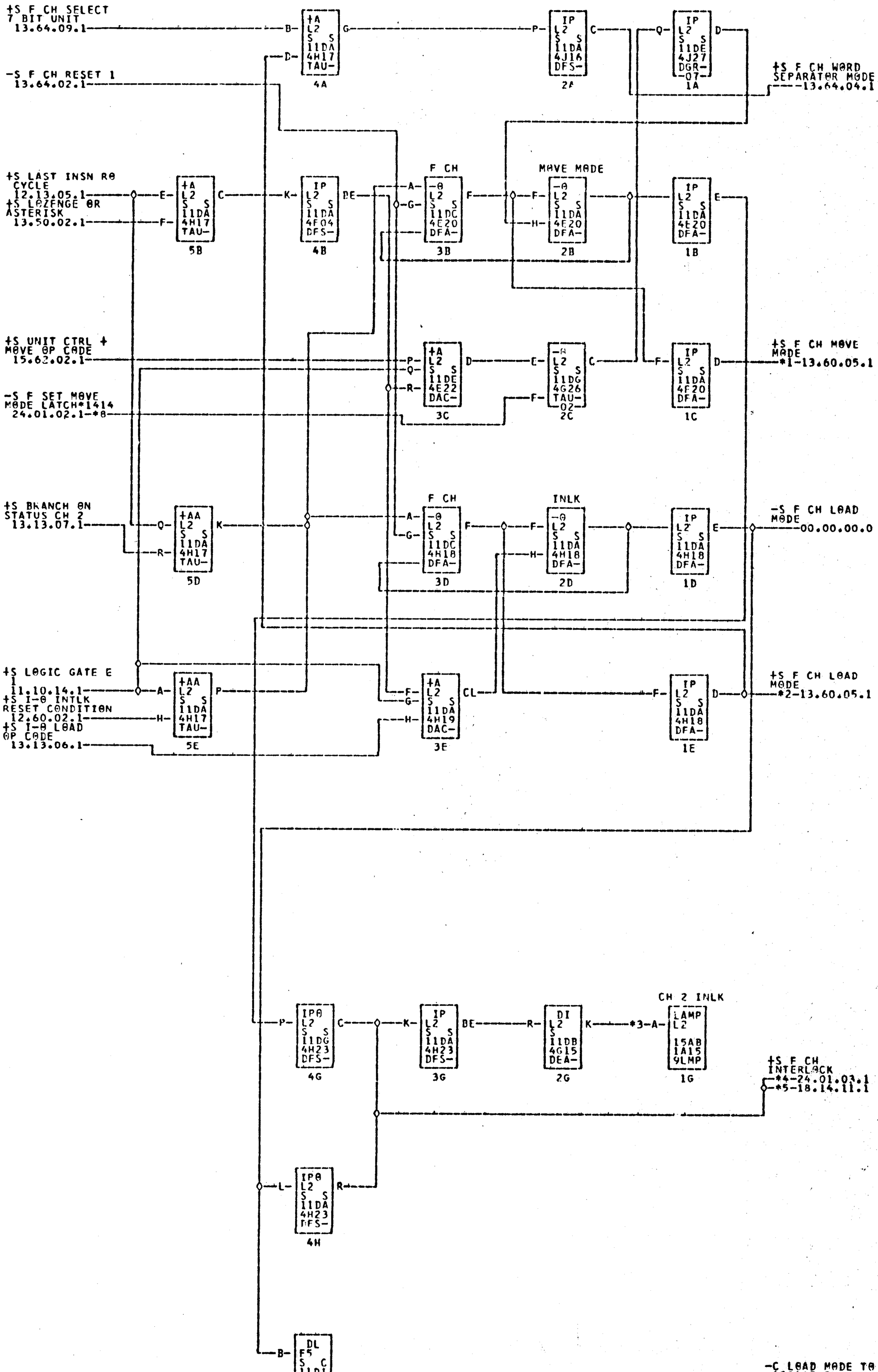
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COMMENTS

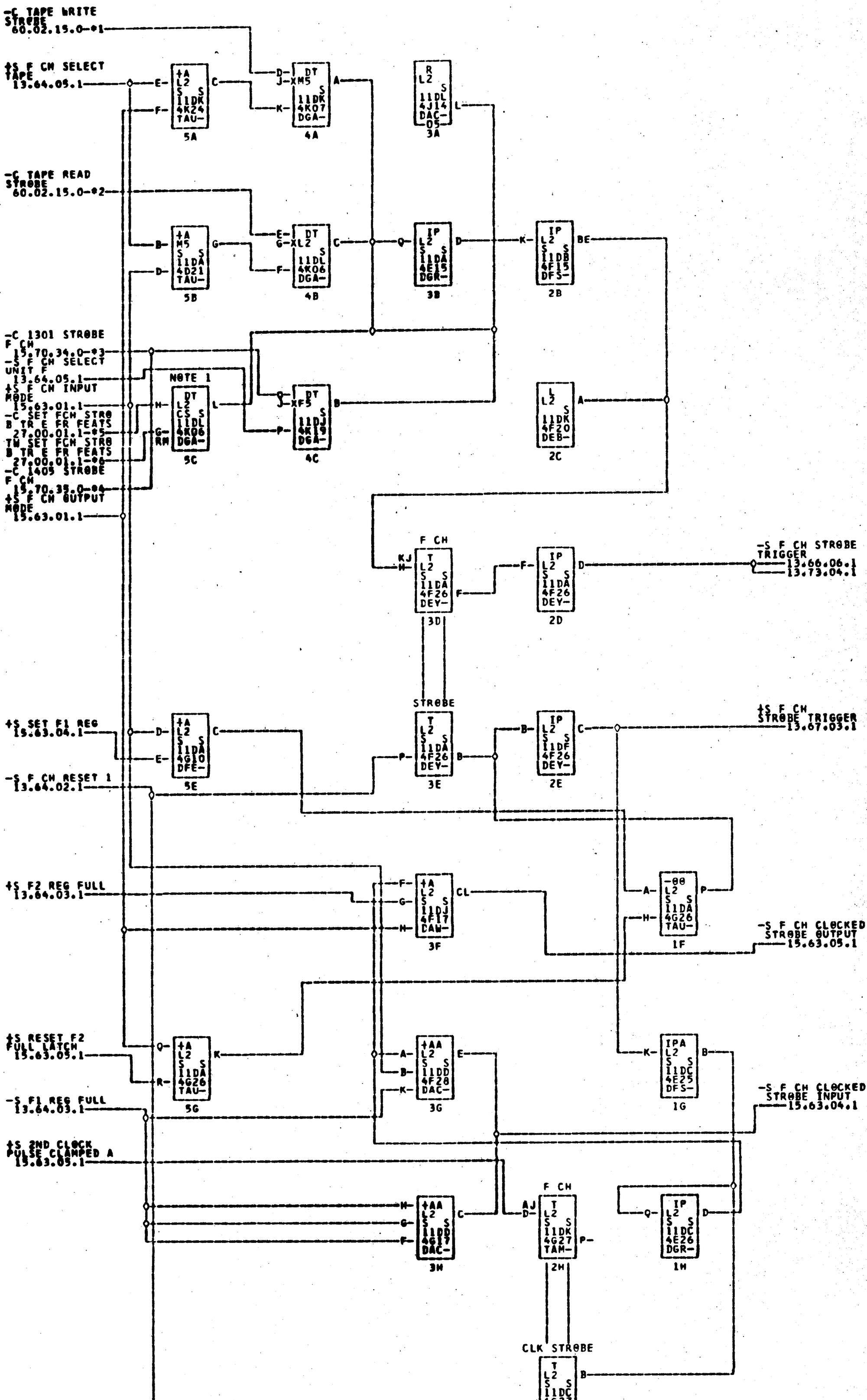
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E	01-03-62	250759	F	01-23-62	250755	G	03-21-62	251143	H	04-11-62	251132
J	04-23-62	250788	K	05-09-62	251179	L	07-16-62	250787	M	08-17-62	251809
N	08-23-62	251772	P	10-12-62	253322						



*1—11D4B01H—11D3B28H *2—11D4B01K—11D3B28K *3—11D4K28A—11D7L32A—15A4A19M—15A4A20M *4—11D4Z13A—11D7U41A
*5—11D4Y10C—11D2Z10C *6—11D7U06R *7—11D7L47B *8—11D7U45N—11D4Z24A

COMMENTS

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E	01-30-62	251100	F	02-12-62	250761	G	03-21-62	251143	H	04-12-62	250785
I	08-17-62	251809									

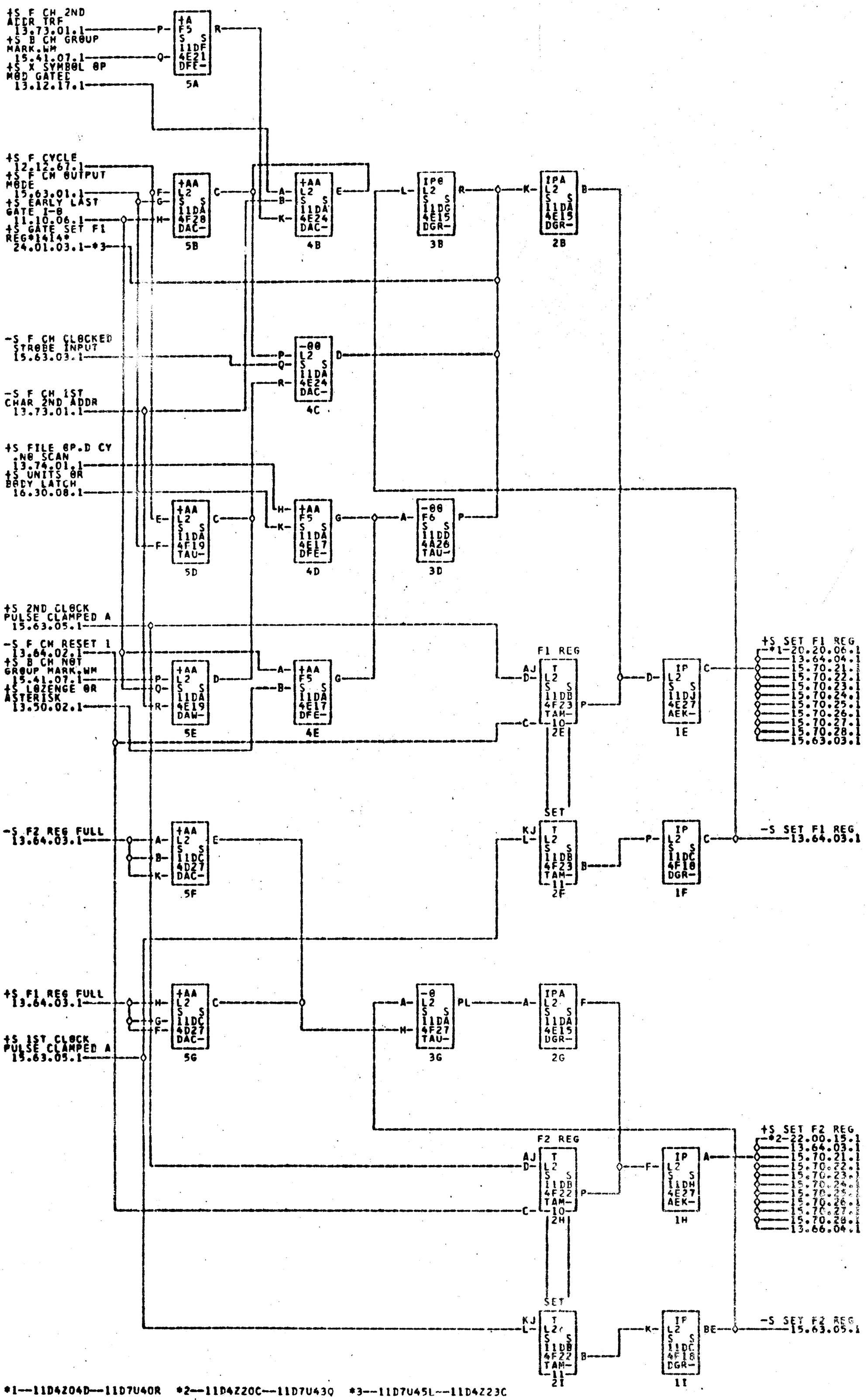


*1—11D7L39R——— *2—11D7L38F——— *3—11D7U08D——— *4—11D7L45R *5—11D7U39B—11D4Z09B———
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COMMENTS

NOTE 1 WIRE FOR FEATURES ONLY

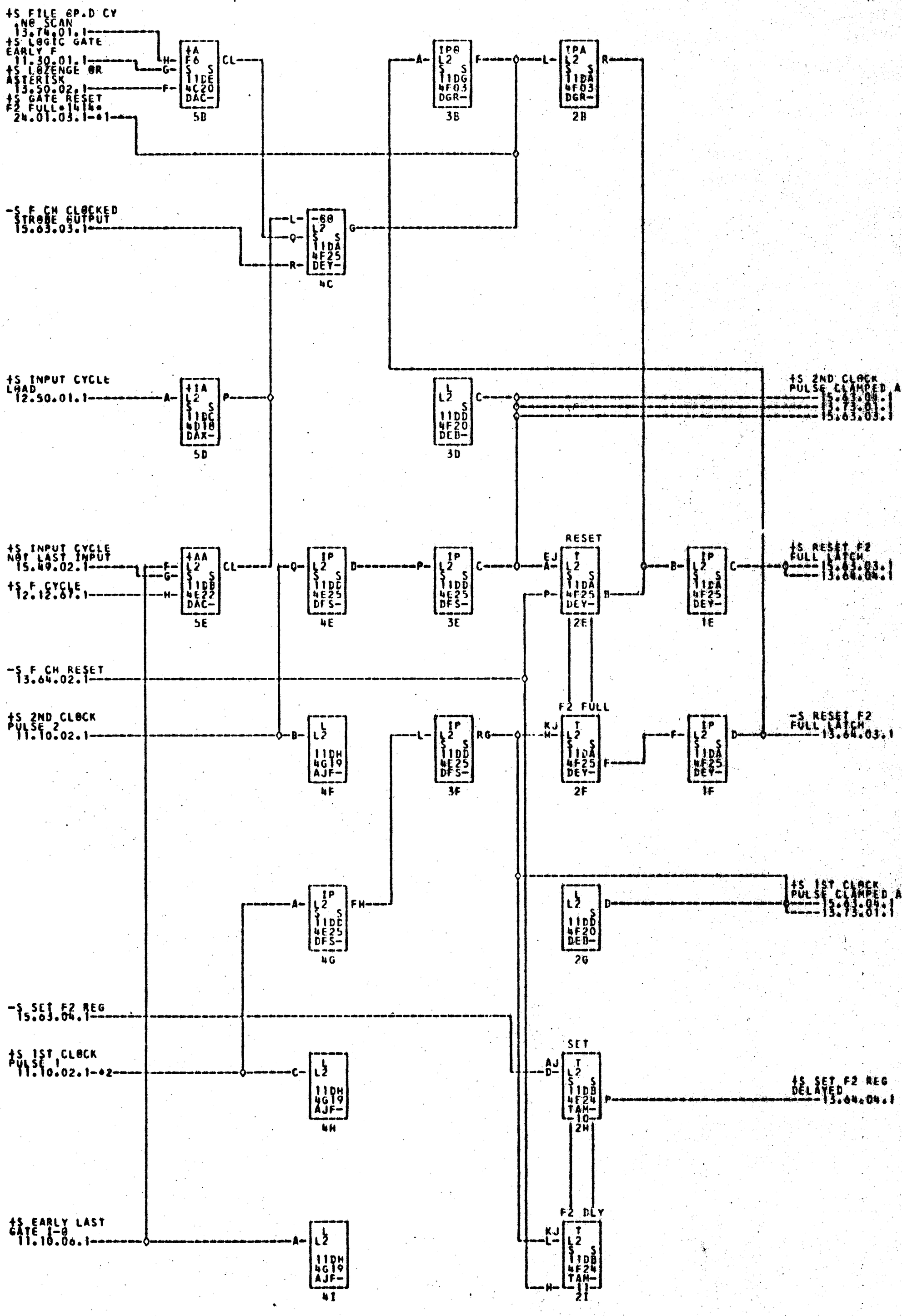
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E	01-03-62	250759	F	01-23-62	250755	G	01-30-62	251100	M	02-07-62	251099
I	03-21-62	251143	J	04-11-62	251132	K	04-24-62	250786	L	05-08-62	251179
N	08-17-62	251809	N	10-12-62	251824						



*1--11D4Z04D--11D7U40R *2--11D4Z20C--11D7U43Q *3--11D7U45L--11D4Z23C

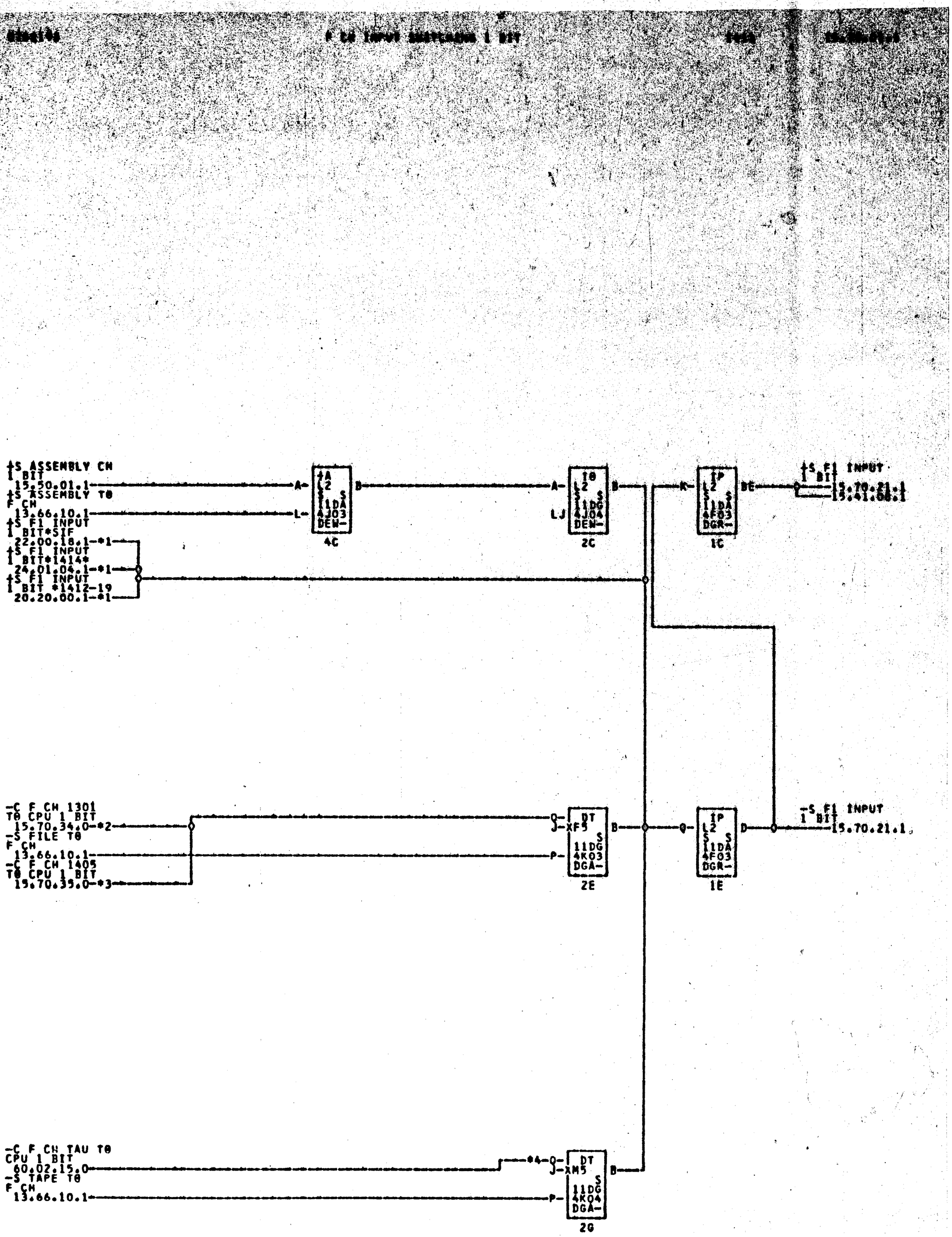
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E	01-03-62	250759	F	02-26-62	251120	G	03-21-62	251143	H	04-11-62	251132
I	05-08-62	251179	J	10-26-62	251824						



COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
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E	12-21-61	250750	F	02-12-62	250761	G	03-21-62	251143	H	04-12-62	250785



11D7U05R

*1—11D7U39C—11D4Z09C *2—~~11D7U04R~~— *3—11D7L45F *4—11D7L39B

REI - 64-144

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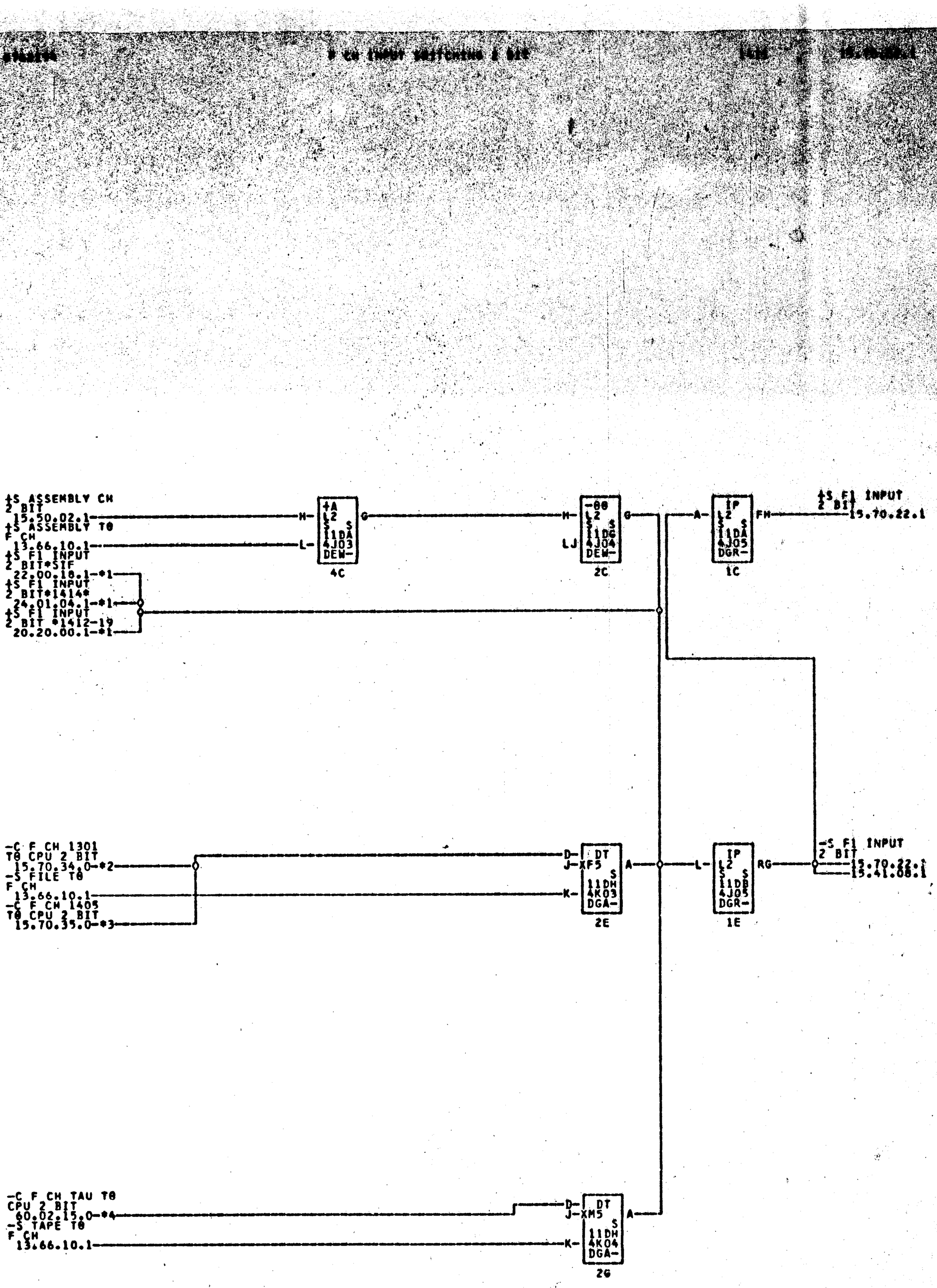
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AG	DATE	E.C.NØ.
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F	03-21-62	251143

AG	DATE	E.C.NØ.
C	01-03-62	250759
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AG	DATE	E.C.NØ.
D	01-23-62	250755
H	08-17-62	251809



11D7U05P

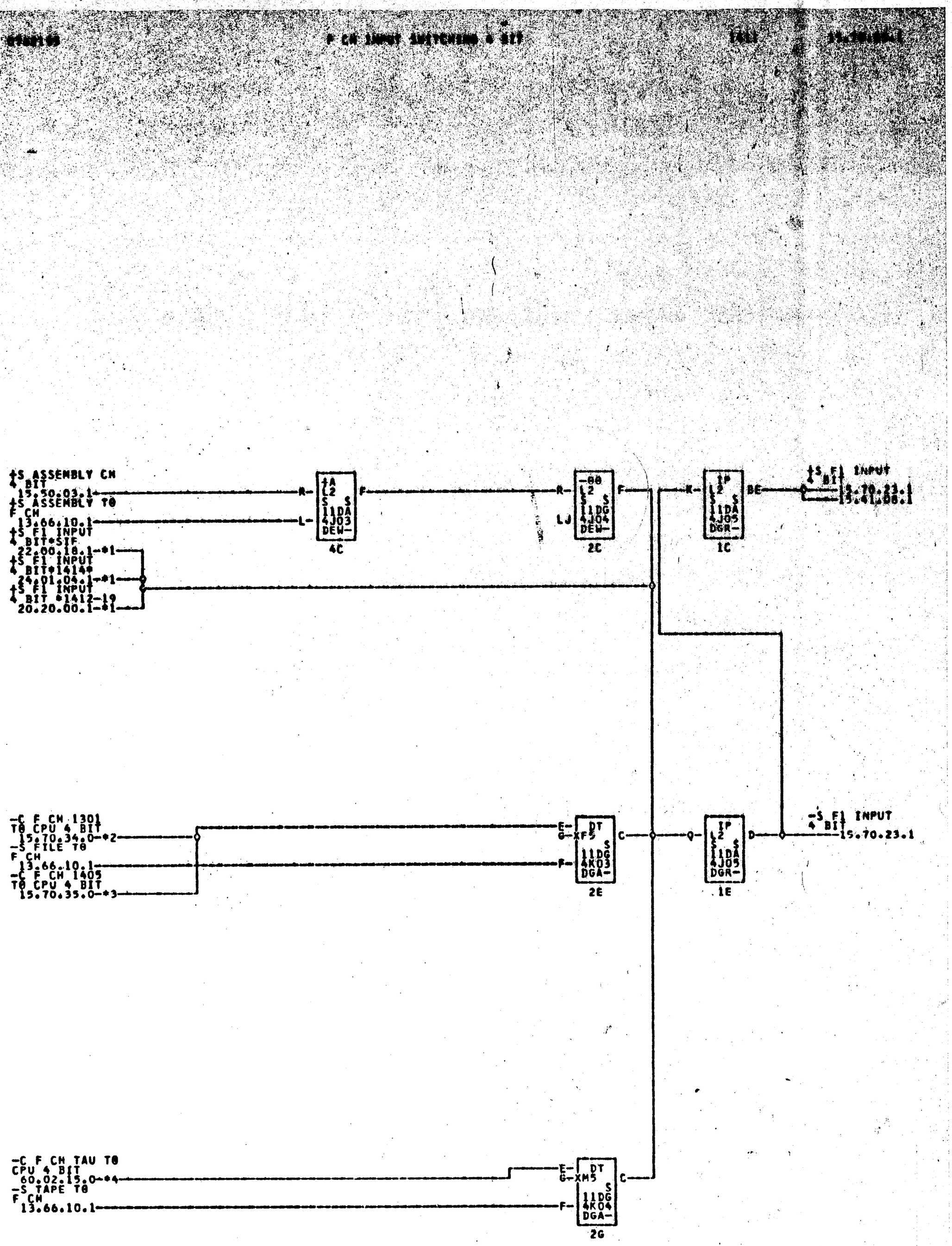
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REI 64-144

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COMMENTS

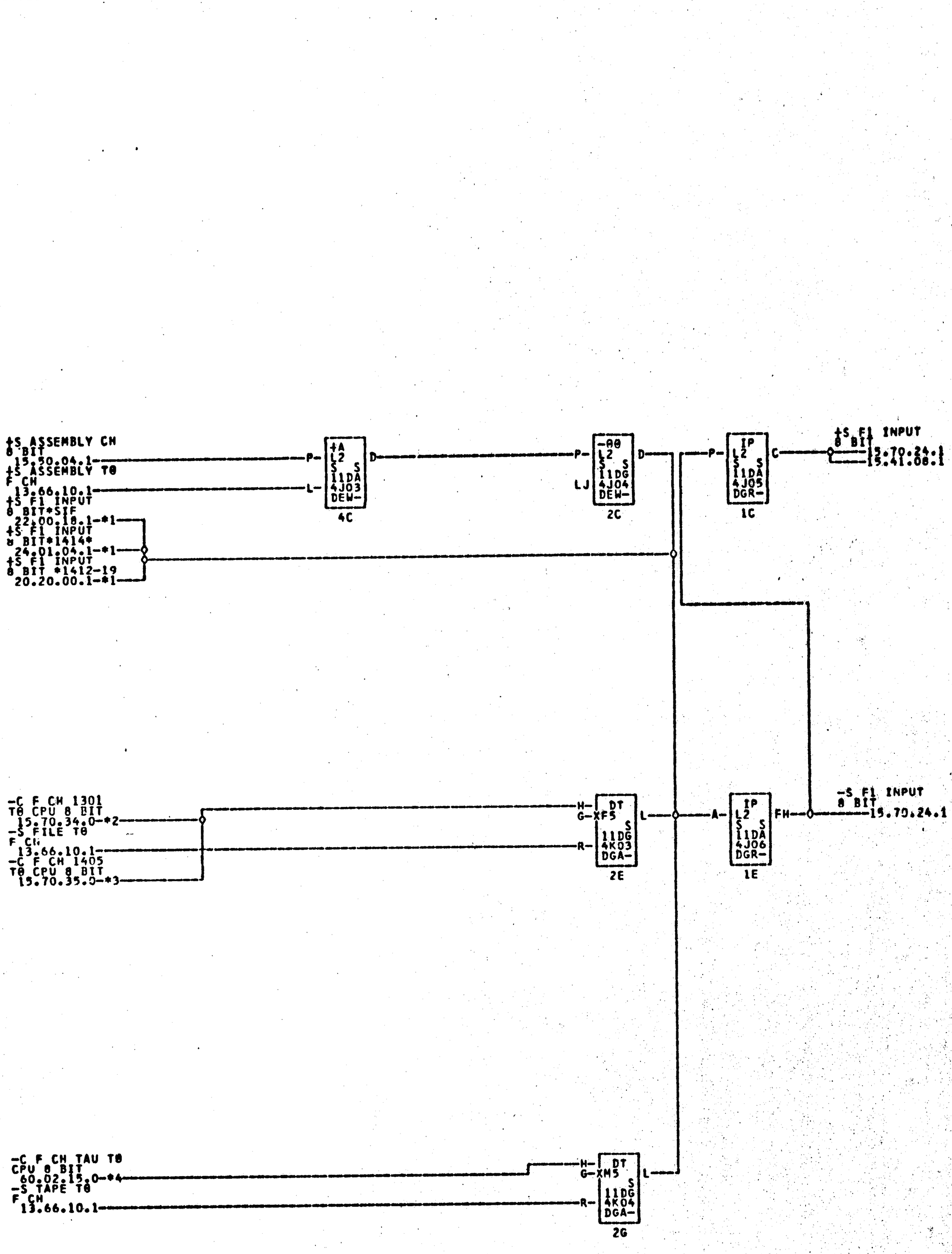
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E	02-07-62	251099	F	03-21-62	251143	G	04-11-62	251132	H	04-23-62	250786
I	08-17-62	251809									



COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	00-00-00	109440A	B	06-15-61	249906	C	01-03-62	250759	D	01-23-62	250755
E	02-07-62	251099	F	03-21-62	251143	G	04-11-62	251132	H	08-17-62	251809

0762196 F CH INPUT SWITCHING 8 BIT 1411 15.70.04.1



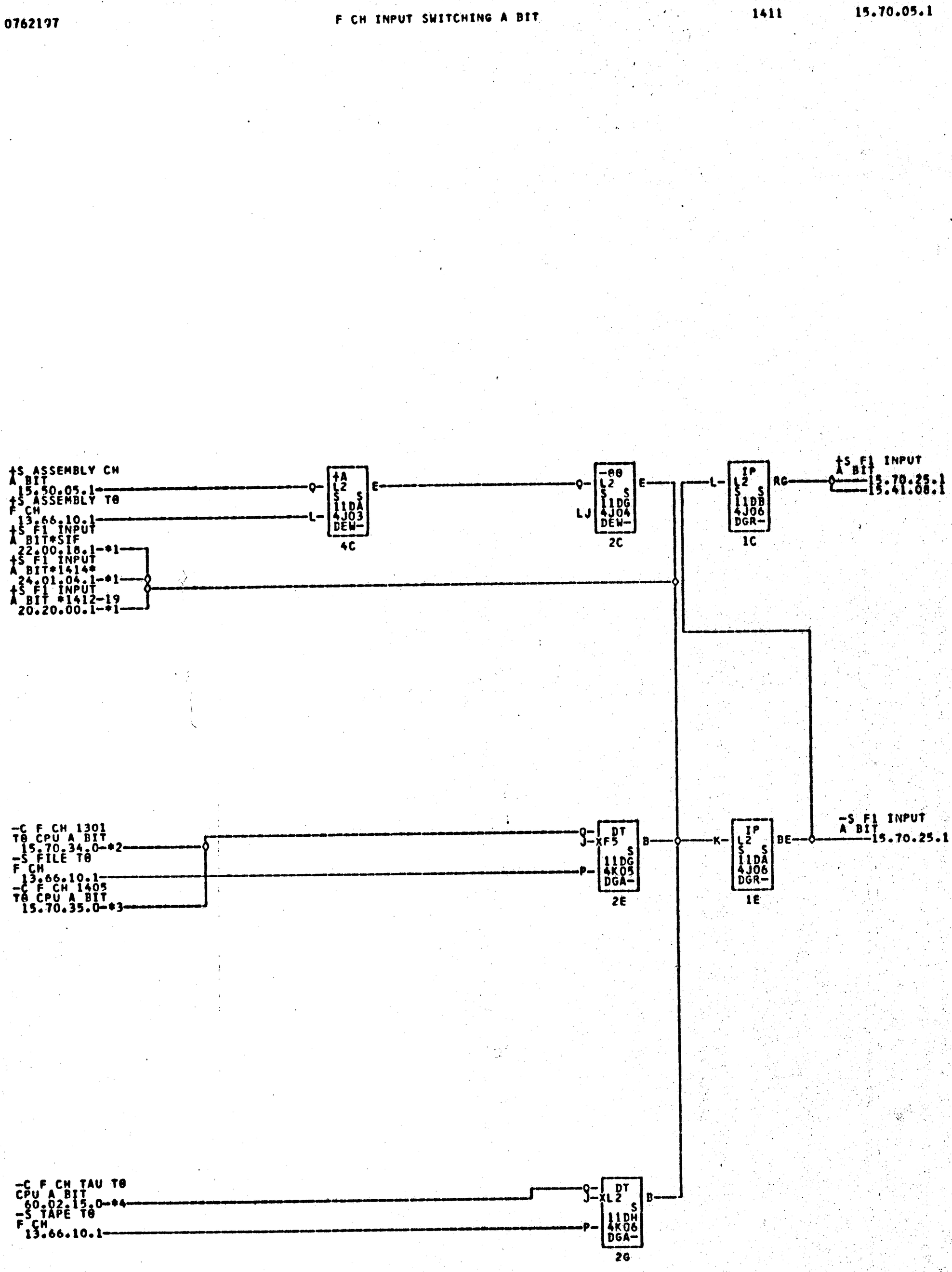
*1—11D7U39F—11D4Z10B *2—11D7U05K——— *3—11D7L46R *4—11D7L39H———

COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
A	00-00-00	109370L	B	06-15-61	249906	C	01-03-62	250759	D	01-23-62	250755
E	02-07-62	251099	F	03-21-62	251143	G	04-11-62	251132	H	08-17-62	251809

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0762197 F CH INPUT SWITCHING A BIT 1411 15.70.05.1

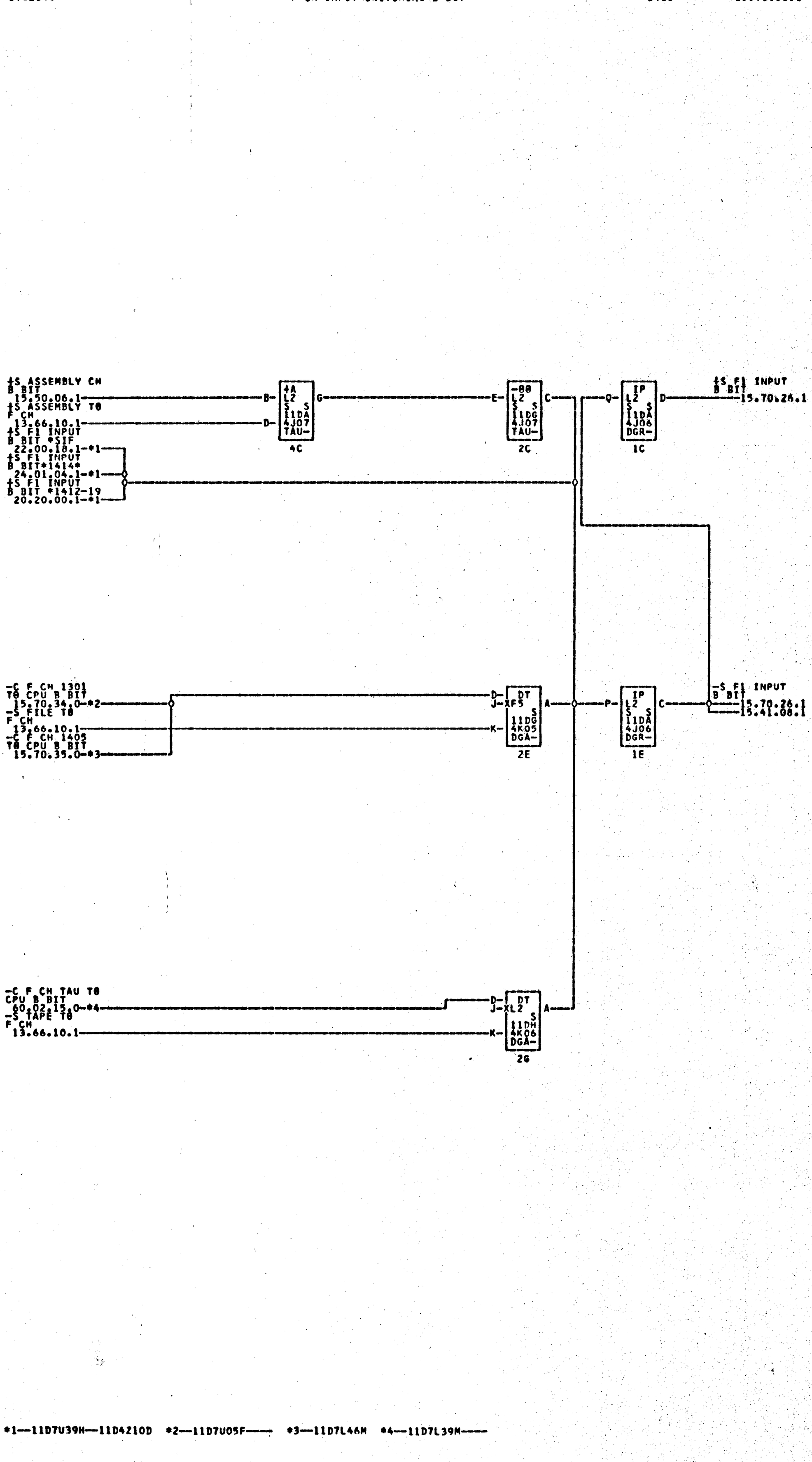


*1—11D7U39G—11D4Z10C *2—11D7U05H——— *3—11D7L46P *4—11D7L39K———

COMMENTS

TAG	DATE	E.C.NØ.	TAG	DATE	E.C.NØ.	TAG	DATE	E.C.NØ.	TAG	DATE	E.C.NØ.
A	00-00-00	109370L	B	06-22-61	249906	C	01-03-62	250759	D	01-23-62	250755
E	02-07-62	251099	F	03-21-62	251143	G	04-11-62	251132	H	05-08-62	251179
I	08-17-62	251809									

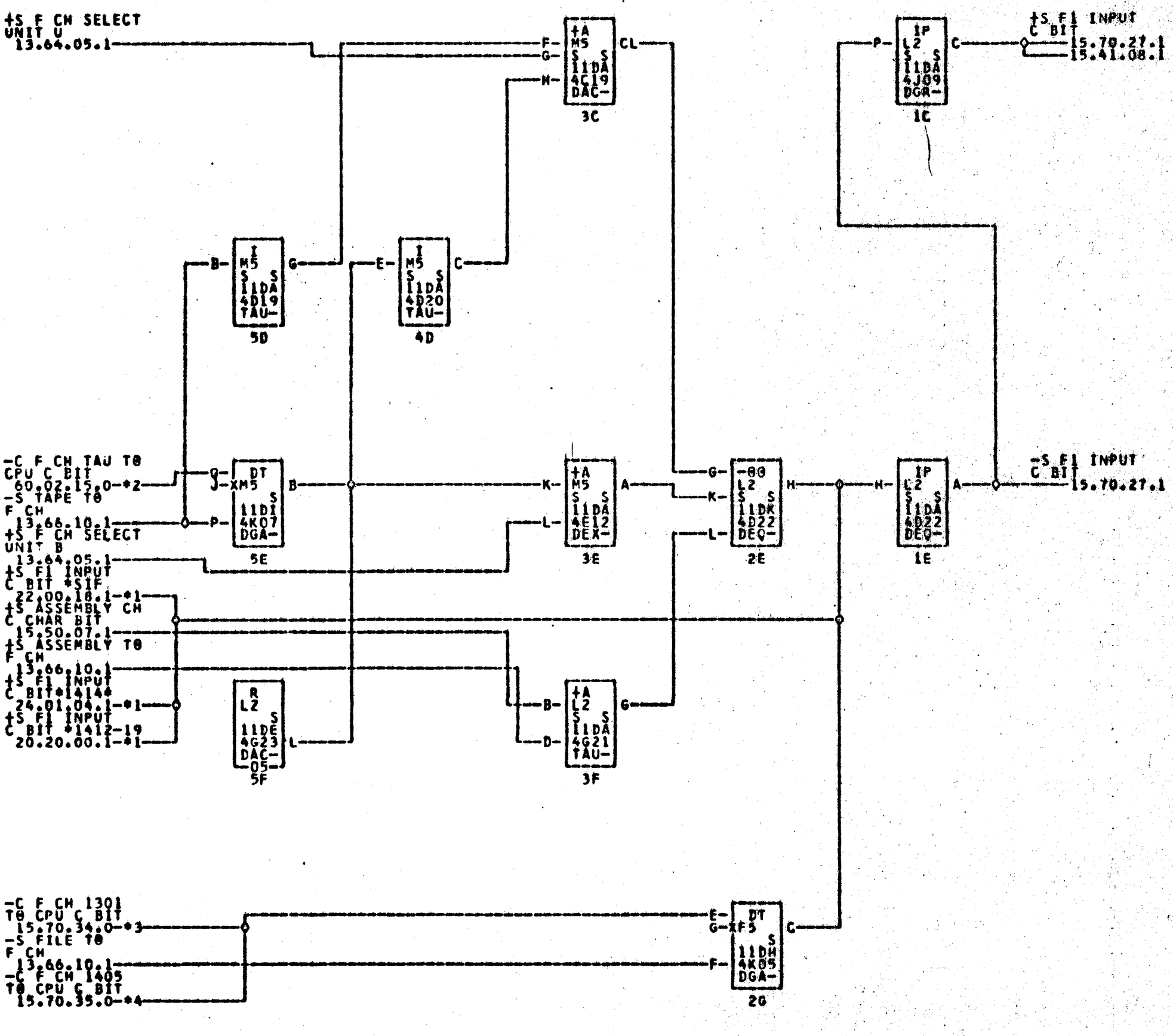
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COMMENTS

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E	02-07-62	251099	F	03-21-62	251143	G	04-11-62	251132	H	05-08-62	251179
I	08-17-62	251809									

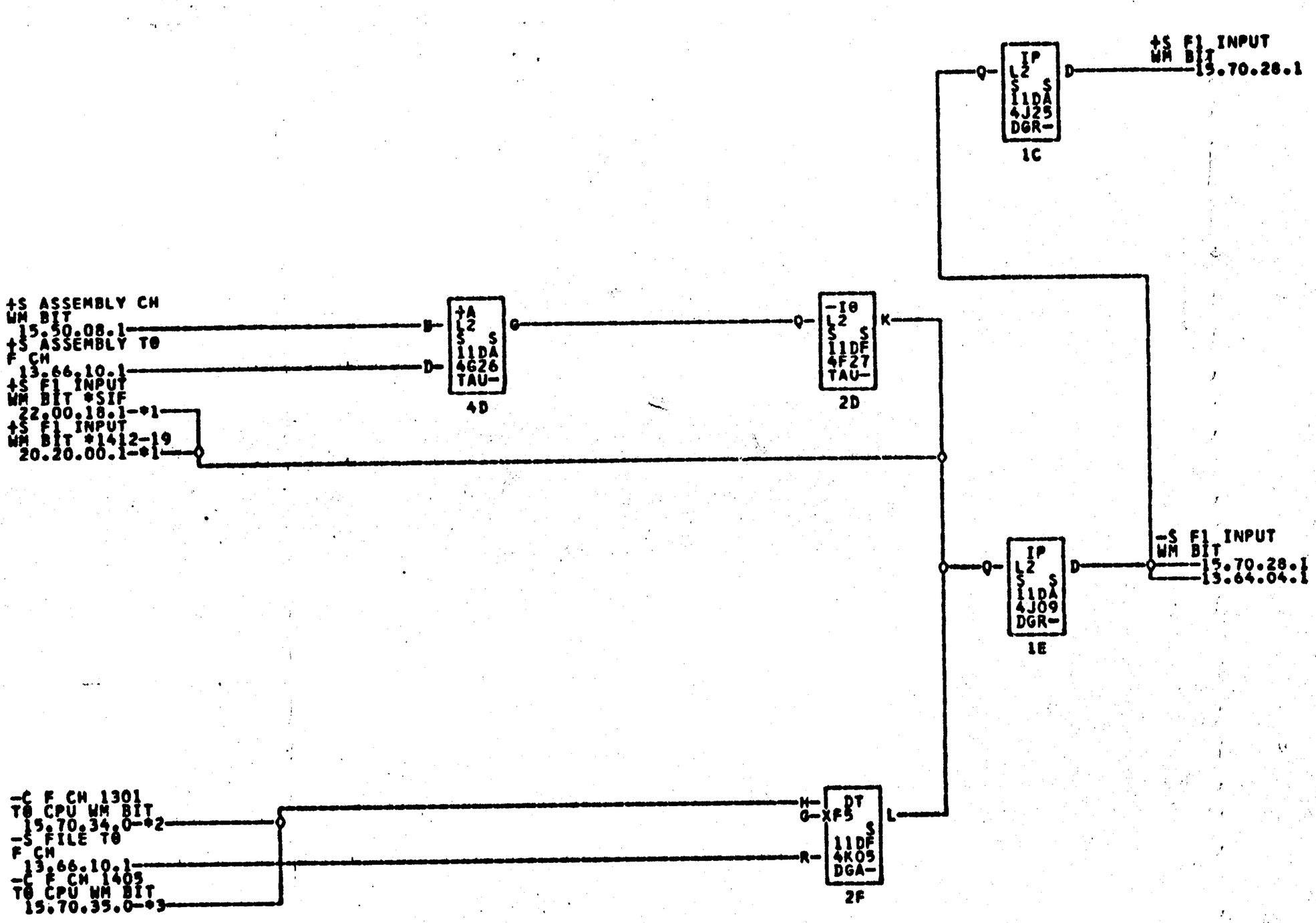


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COMMENTS

TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.	TAG	DATE	E.C.NO.
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E	01-30-62	251100	F	02-07-62	251049	G	03-21-62	251143	H	04-11-62	251132
I	04-23-62	250786	J	08-17-62	251869	K	10-12-62	251824			

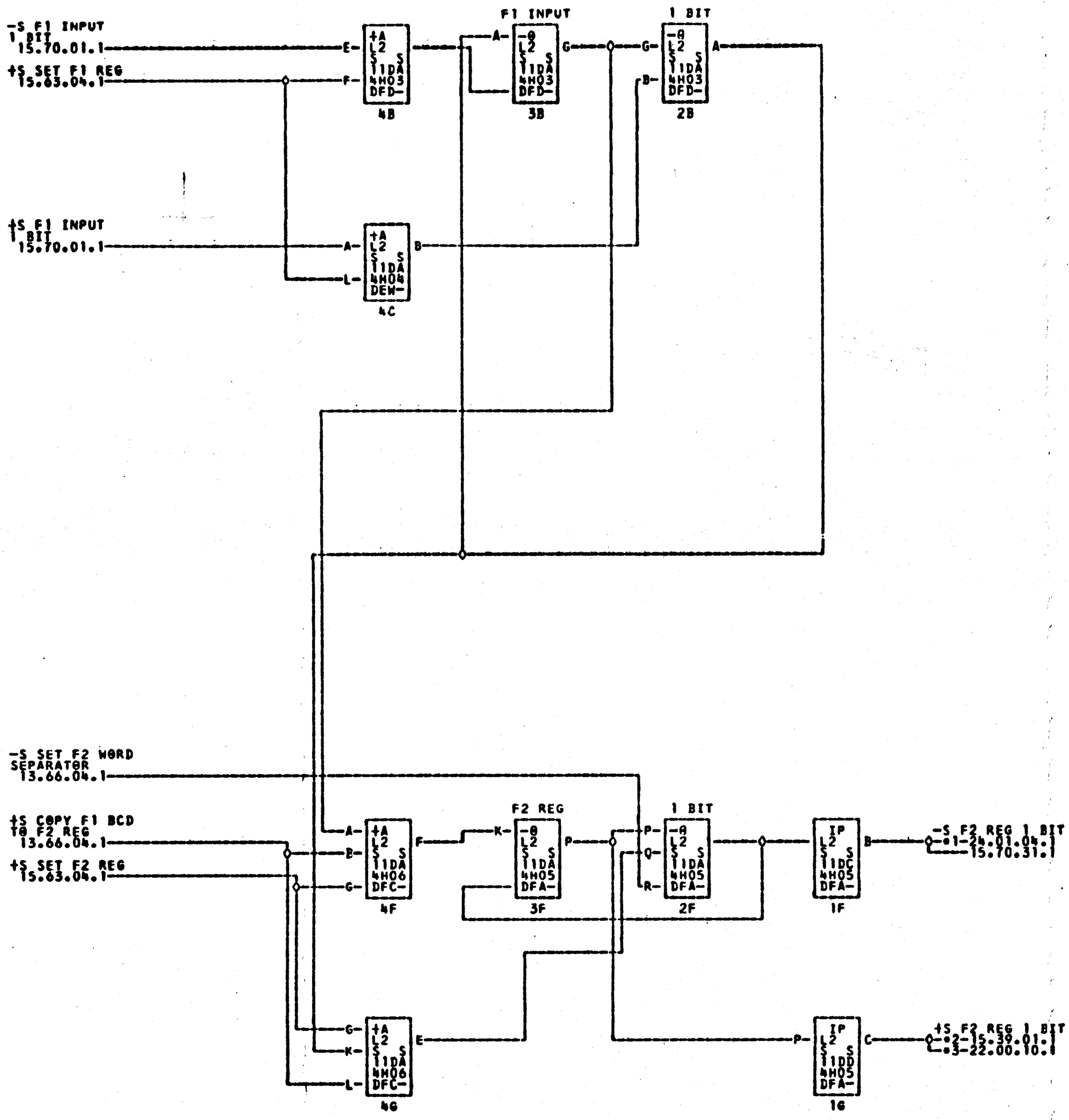
0762200 F CH INPUT SWITCHING WM BIT 1411 15.70.08.1



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COMMENTS

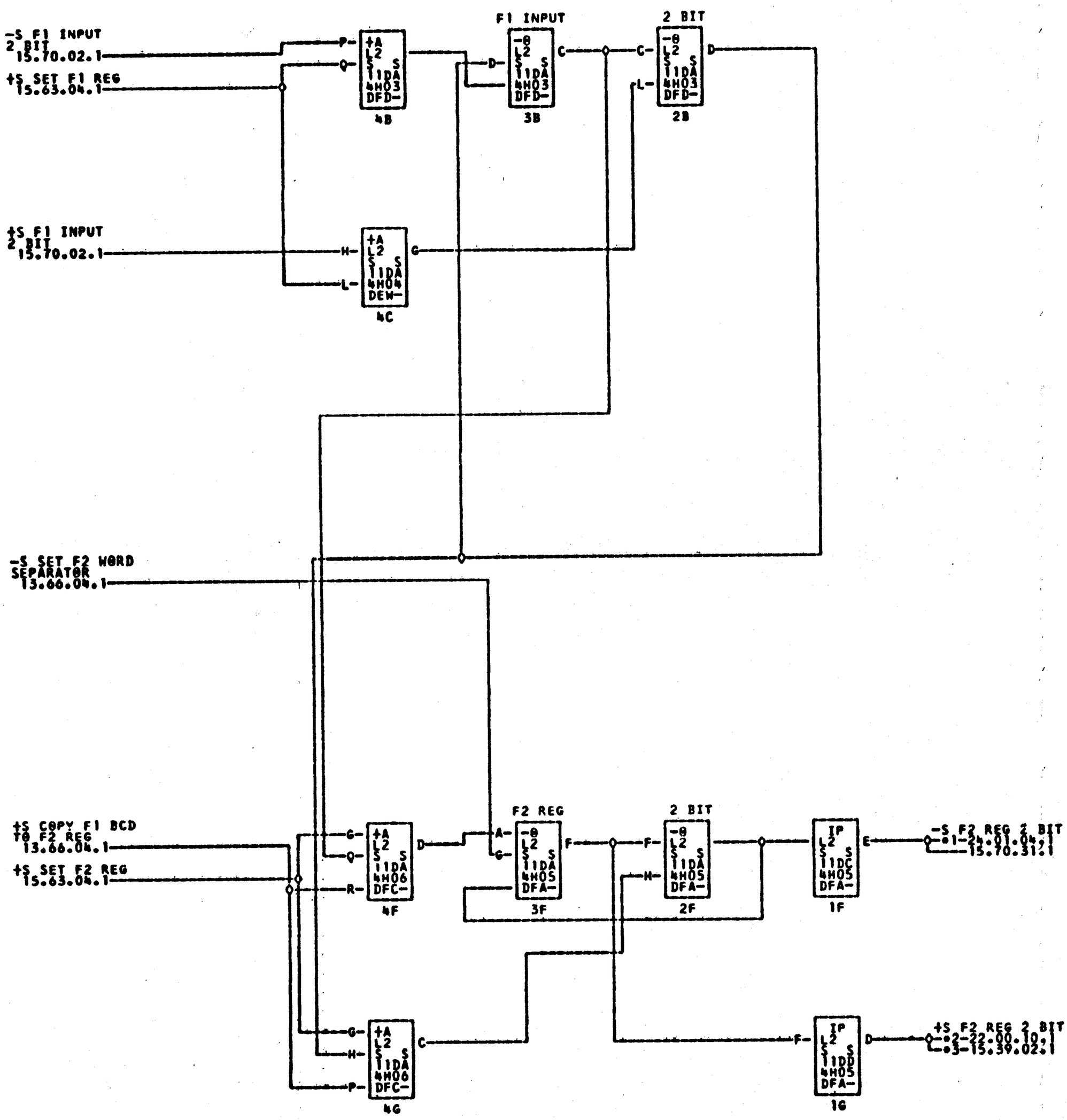
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E	02-07-62	251099	F	04-11-62	251132	G	08-17-62	251809			



•1—11D4Z13B—11D7U41B •2—11D4D01K—11D3D28K—11D3C02R—11C4C27R—11C4C02R—11C3C27R
•3—11D4D01K—11D3D28K—11D3Z21A—11D7U33A

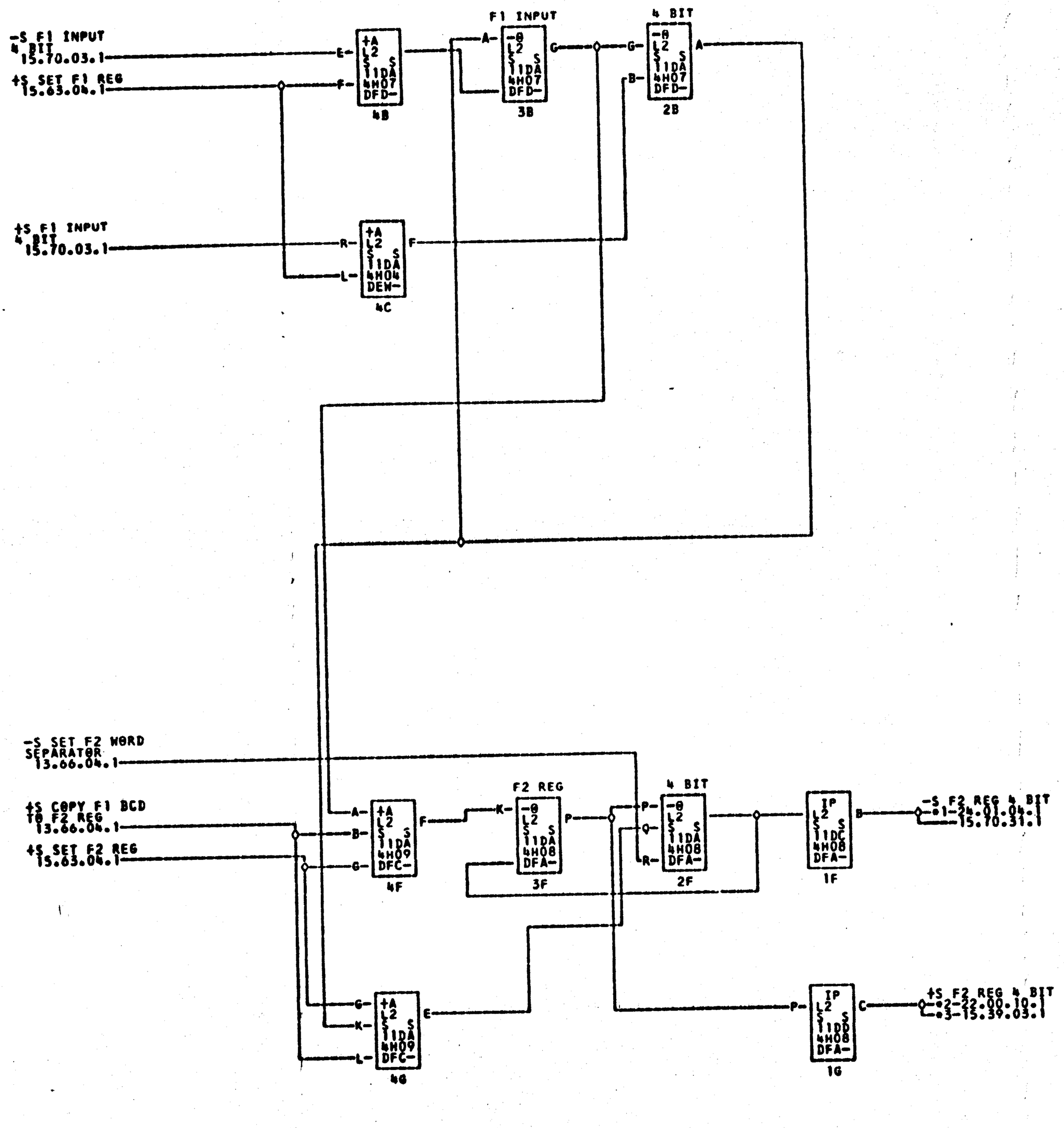
COMMENTS

TAG	DATE	E.C.NO.
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B	06-17-61	249906
C	03-21-62	251143
D	04-12-62	251132



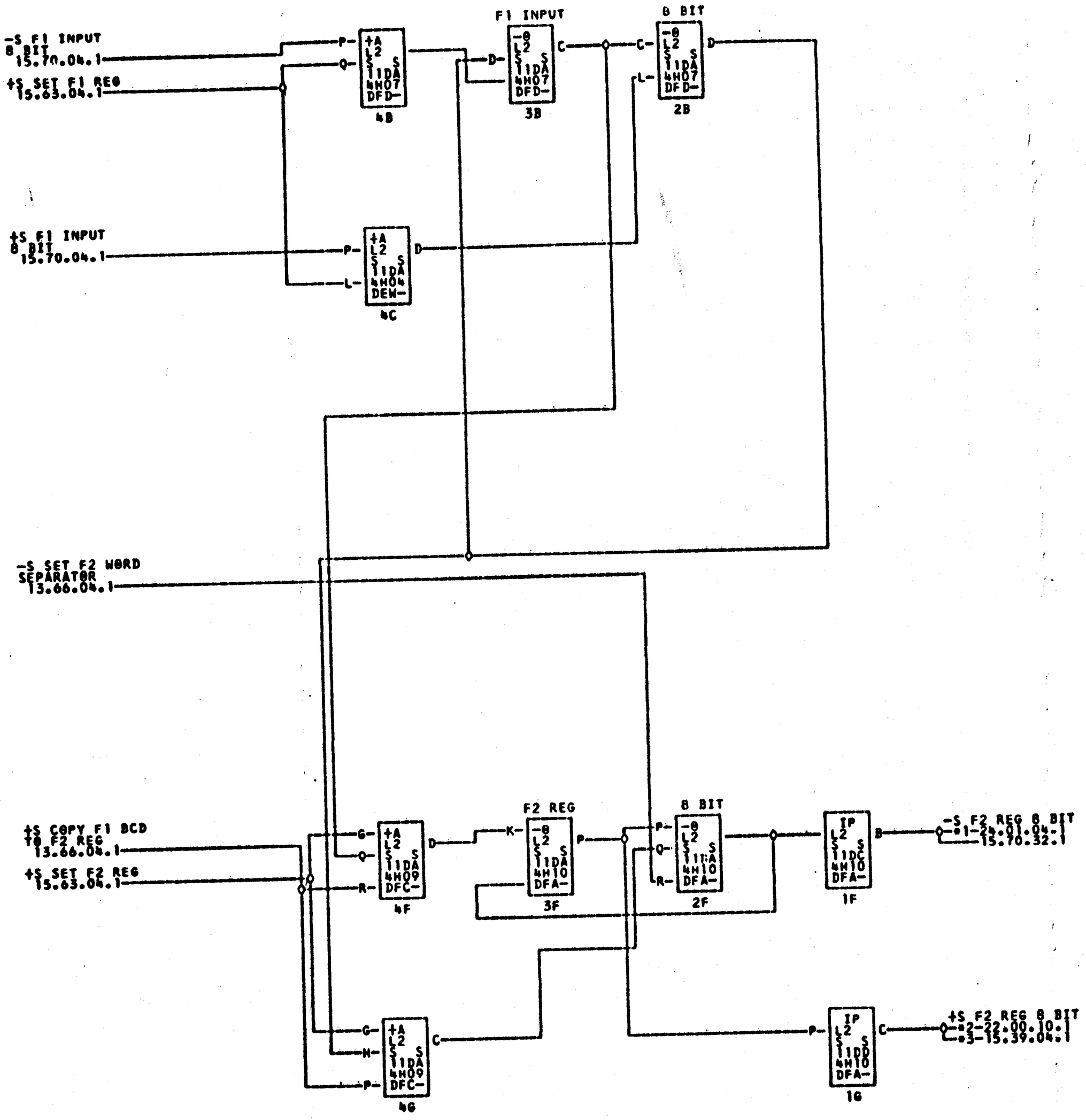
COMMENTS

TAG	DATE	E.C.NO.
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C	03-21-62	251143
D	04-11-62	251132



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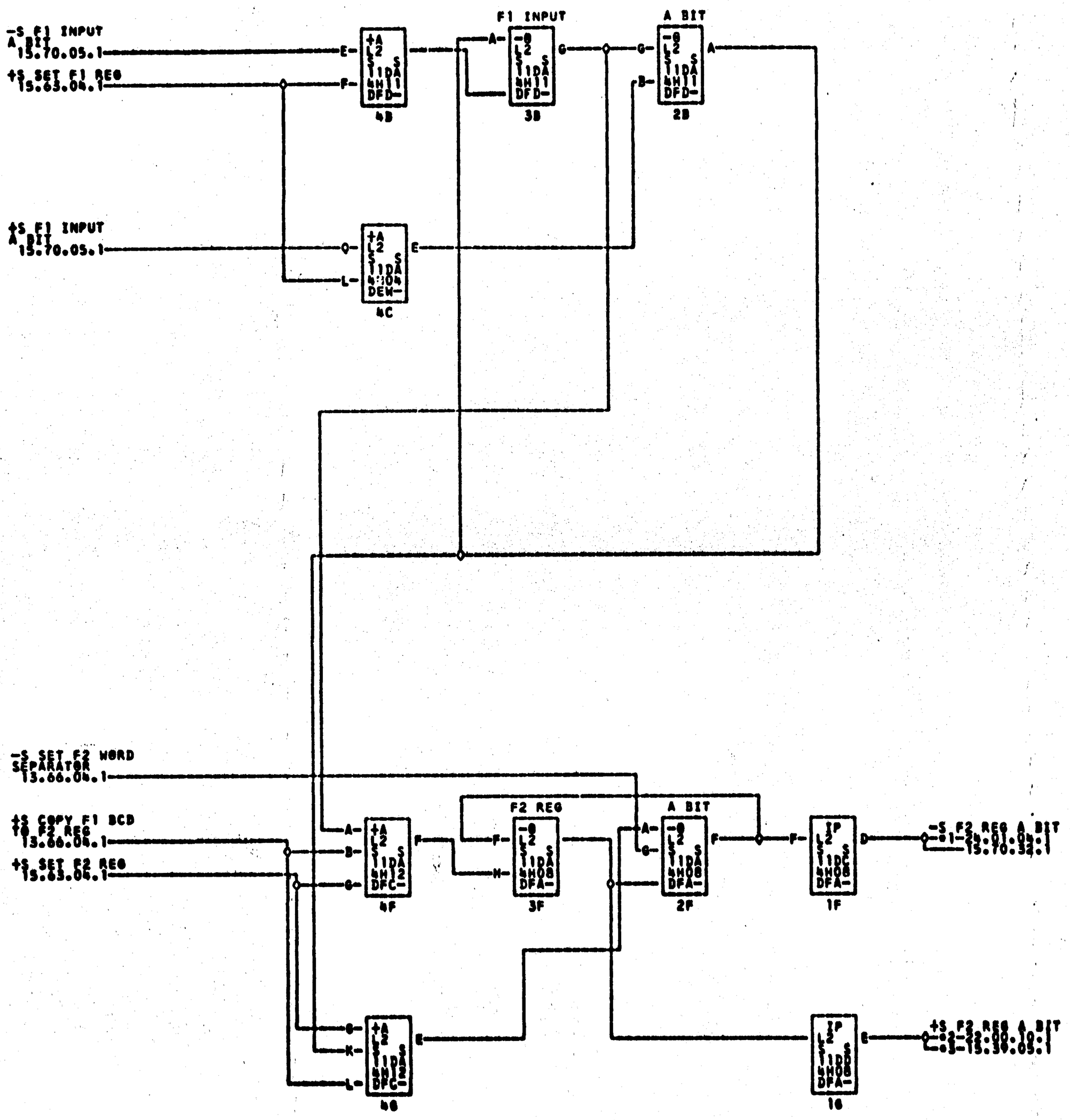
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C	03-21-62	251143
D	04-11-62	251132



-S1-11D4Z14A-11D7U41E -S2-11D4F01P-11D3F28P-11D3Z21D-11D7U33D
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COMMENTS

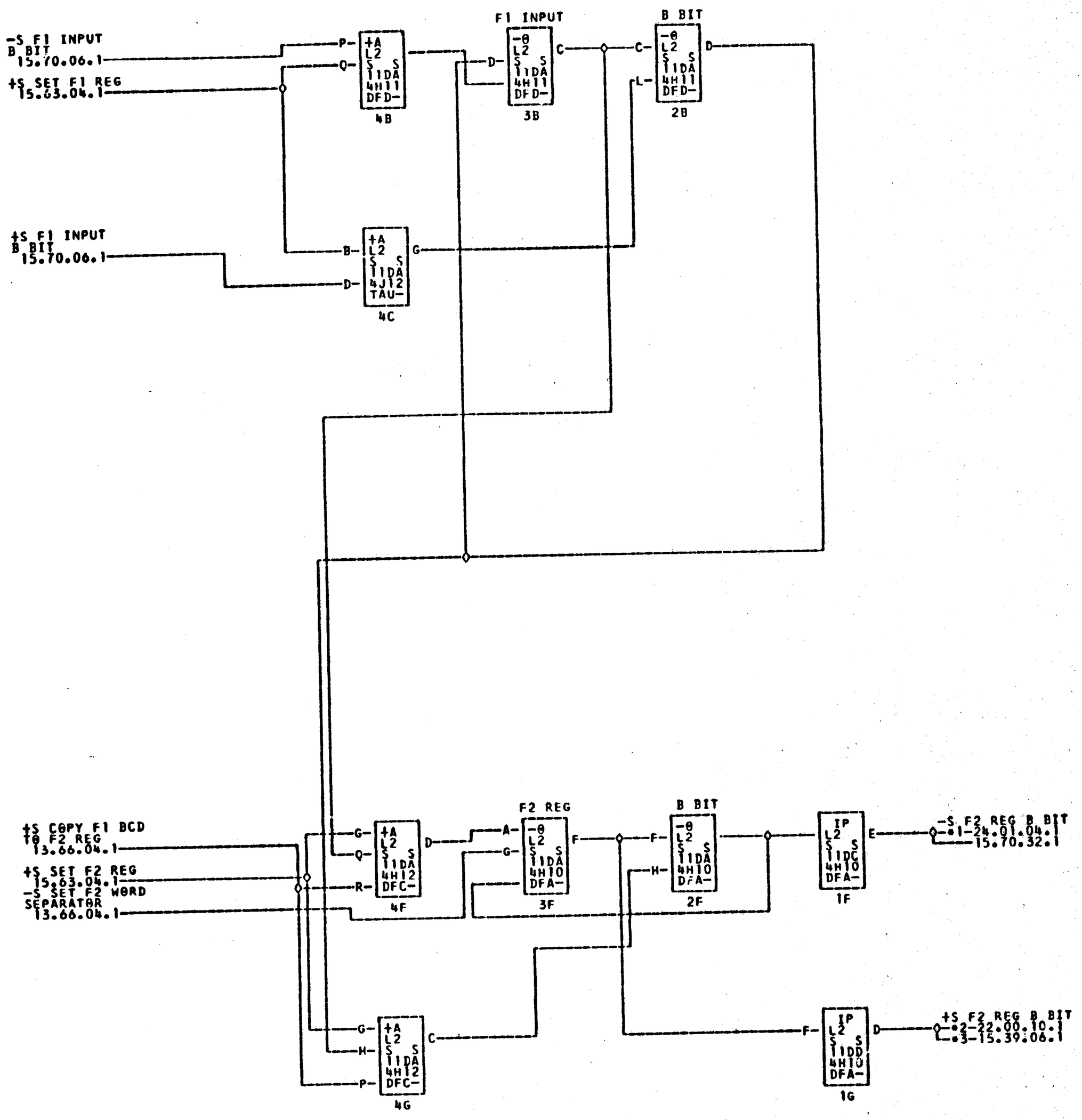
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B	06-17-61	249906
C	03-21-62	251143
D	04-11-62	251132



•1—11D4Z19B—11DTV81F •2—11D4F010—11D3F280—11D3Z22A—11DTU33E
•3—11D4F010—11D3F280—11D3C02N—11C4C27N—11C4A01E—11C3A28E

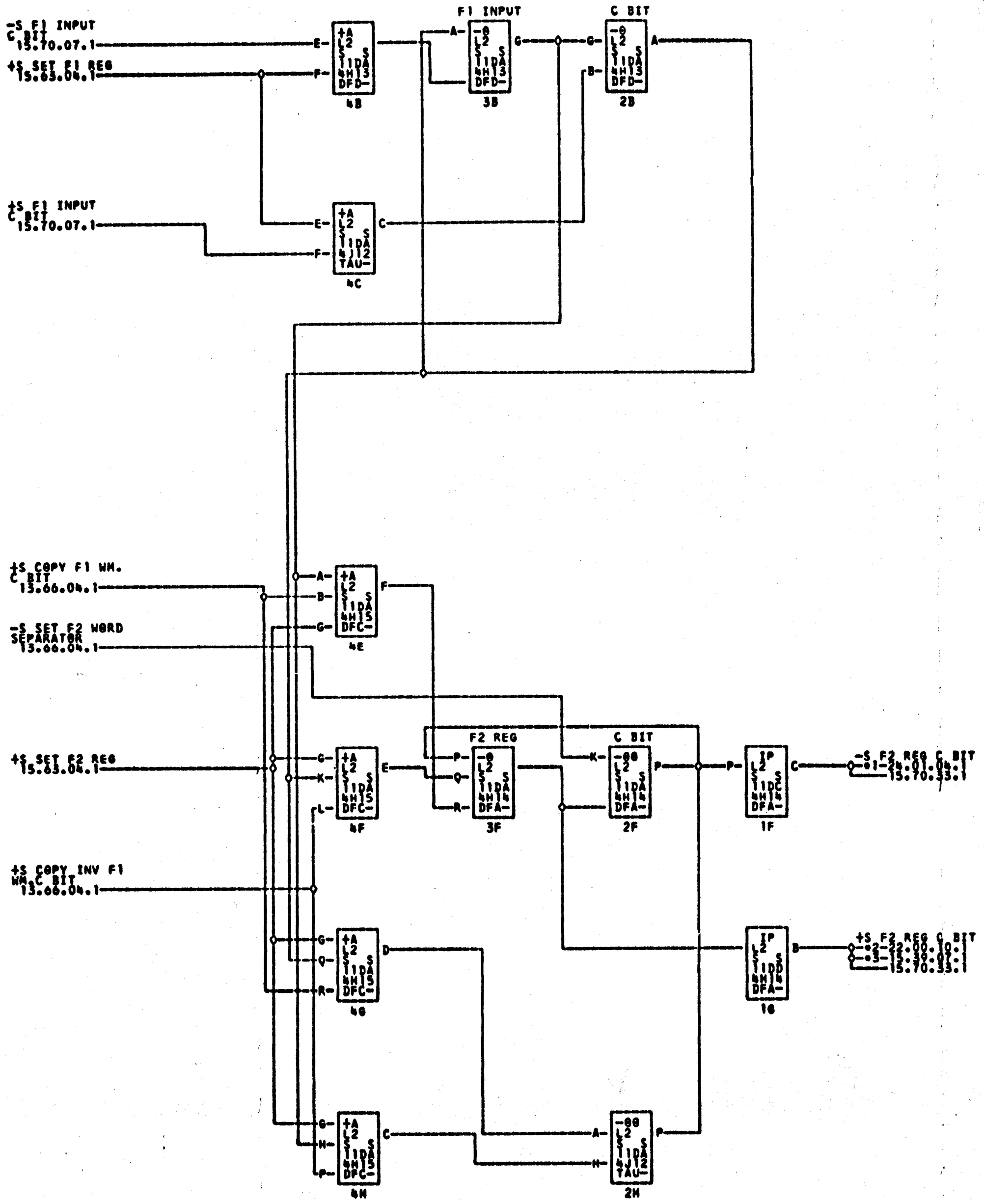
COMMENTS

TAG	DATE	E.C.NO.
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B	06-17-61	249906
C	03-21-62	251143
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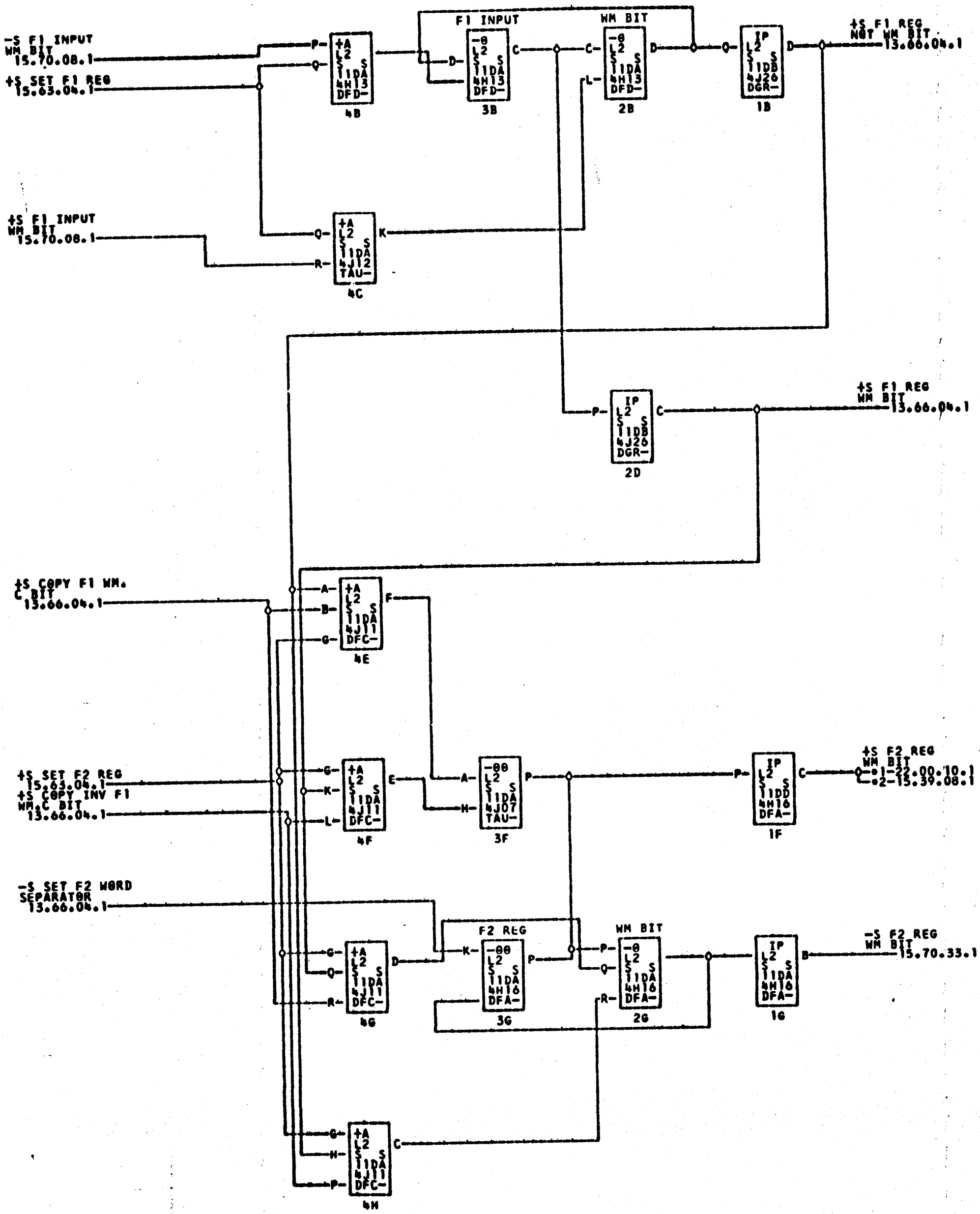
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TAG	DATE	E.C.NO.
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C	03-21-62	251143
D	04-11-62	251132



COMMENTS

TAG	DATE	E.C.NO.
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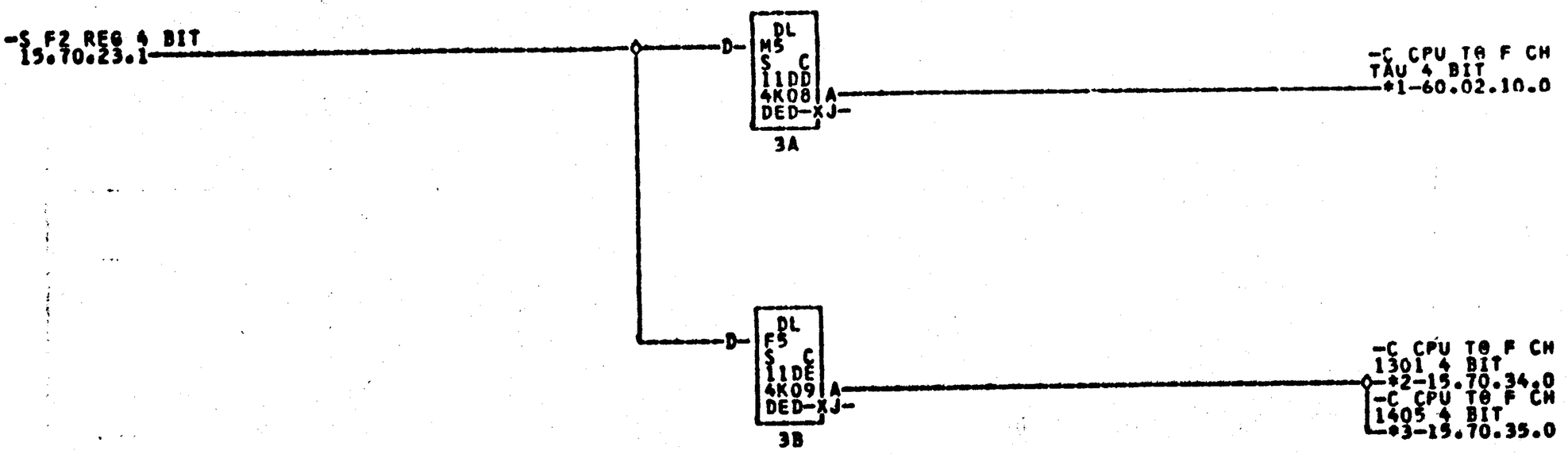


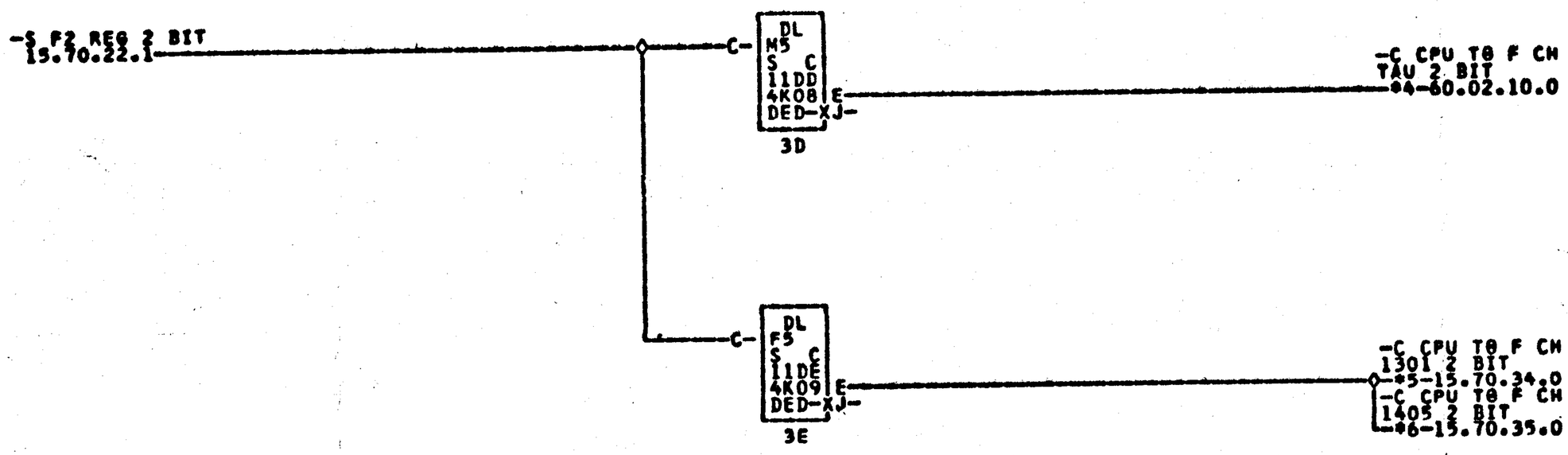
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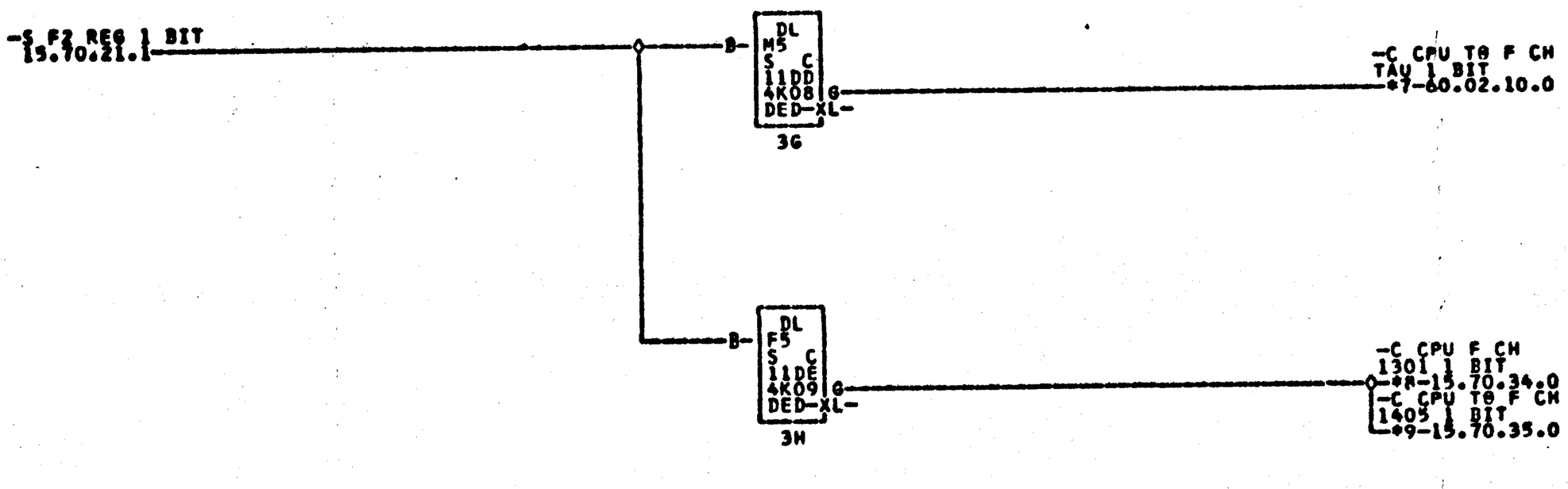
COMMENTS

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C	06-17-61	249906
D	04-11-62	251132

0762209 F CH LINE DRIVERS 4 2 AND 1 BITS 1411 15.70.31.1



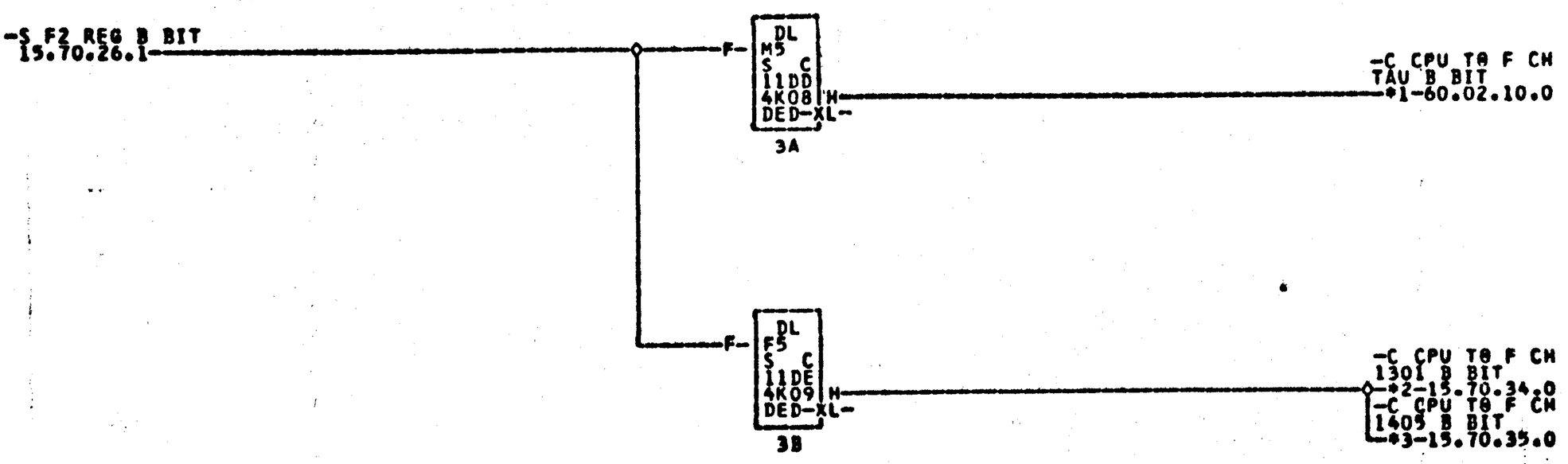




*1—11D7L42B *2—11D7U07H *3—11D7L48M *4—11D7L41R *5—11D7U07P *6—11D7L48P *7—11D7L41P *8—11D7U07R
*9—11D7L48R

COMMENTS

TAG	DATE	E.C.NO.
A	00-00-00	109370L
B	06-15-61	249906
C	01-23-62	250755
D	04-12-62	250785
E	08-17-62	251809



*1—11D7L41K *2—11D7U07F *3—11D7L48F *4—11D7L41H *5—11D7U07H *6—11D7L48H *7—11D7L42D *8—11D7U07K
*9—11D7L48K

1

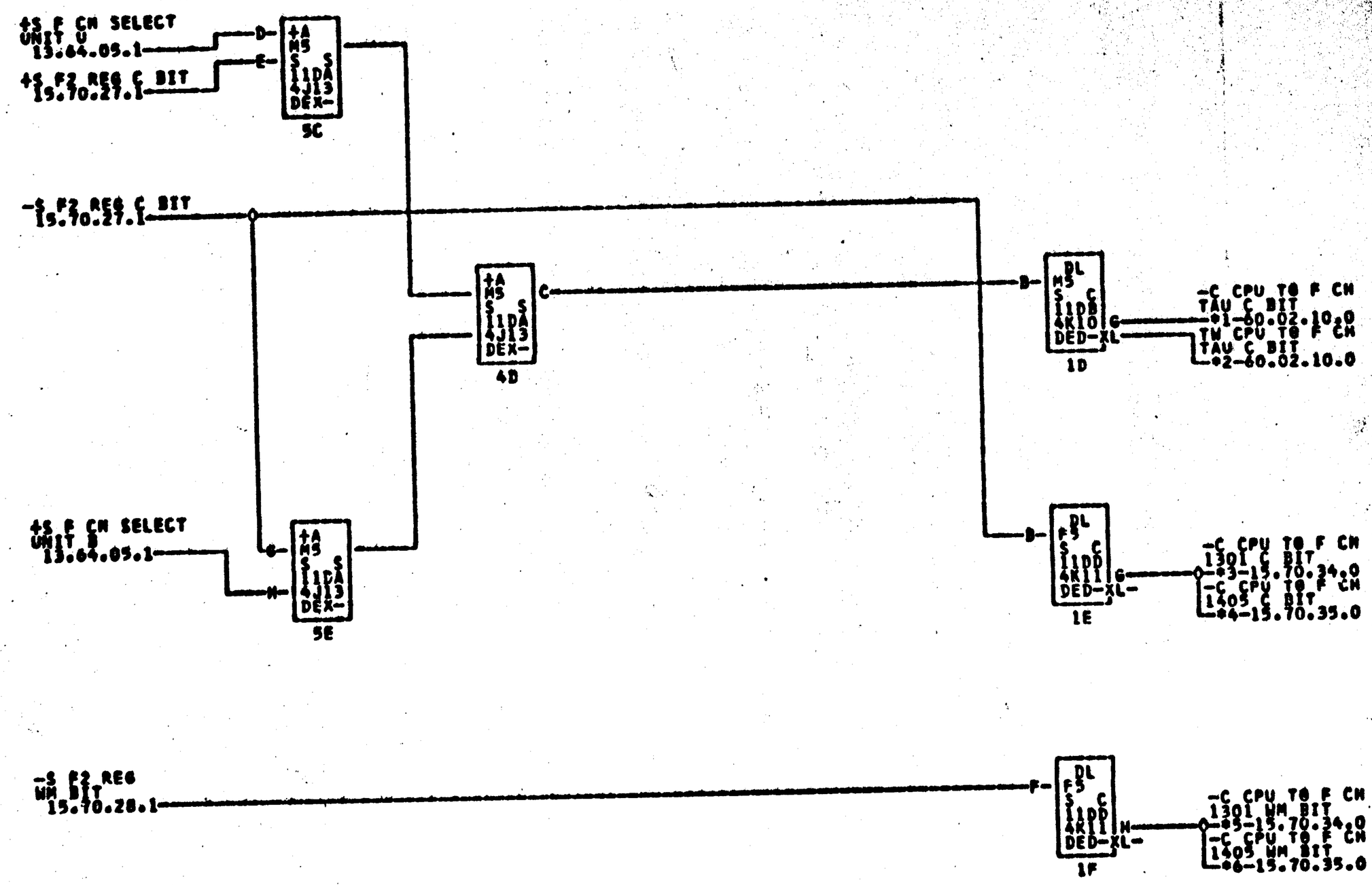
COMMENTS

TAG	DATE	E.C.NO.
A	00-00-00	109370L
E	08-17-62	251809

TAG	DATE	E.C.NO.
B	06-15-61	249906

TAG	DATE	E.C.NO.
C	01-23-62	250755

TAG	DATE	E.C.NO.
D	04-12-62	230785



REI 84-122
PEM 050

*1—11D7L41M *2—11D7L41L *3—11D7U07D *4—11D7L48D *5—11D7U07B *6—11D7L48B

1

COMMENTS

TAG	DATE	E.C.NO.
A	00-00-00	109386
B	06-15-61	249906
C	01-23-62	250755
D	08-17-62	251809

REI 84-122
PEM 050

5319258

15.70.34.0

REFERENCE PAGE 1410 TO 7631 AND 1311

FROM 1410 E CHAN	F CHAN	NAME	TO 7631 PAGE *	NAME	TO 1311 PAGE
12.62.01.1	13.66.05.1	-C 1301 READY E CH -C 1301 READY F CH	00.00.02.0	-C FCU TO CPU READY	75.40.01.0
12.62.02.1	13.66.05.1	-C 1301 BUSY E CH -C 1301 BUSY F CH	00.00.02.0	-C FCU TO CPU ACCESS IN MO	75.40.01.0
12.62.03.1	13.66.01.1	-C 1301 ERROR E CH -C 1301 ERROR F CH	00.00.02.0	-C FCU TO CPU DATA CHK	75.40.01.0
12.62.03.1	13.66.01.1	-C 1301 E CH CONDITION -C 1301 F CH CONDITION	00.00.02.0	-C FCU TO CPU EXT COND	75.40.01.0
13.42.11.1	13.67.03.1	-C 1301 END ADDR TRF E CH -C 1301 END ADDR TRF F CH	00.00.02.0	-C END OF ADDR TRANSFER	75.40.01.0
13.42.11.1	13.67.03.1	-C 1301 END OF OP E CH -C 1301 END OF OP F CH	00.00.02.0	-C FCU TO CPU END OP	75.40.01.0
13.72.03.1	13.73.03.1	+S WR INHIBIT 7631 E CH +S WR INHIBIT 7631 F CH	00.00.02.0	+S WR INHIBIT	75.40.01.0
15.60.01.1	15.70.01.1	-C E CH 1301 TO CPU 1 BIT -C F CH 1301 TO CPU 1 BIT	00.00.02.0	-C FILE TO CPU DATA 1 BIT	75.40.01.0
15.60.02.1	15.70.02.1	-C E CH 1301 TO CPU 2 BIT -C F CH 1301 TO CPU 2 BIT	00.00.02.0	-C FILE TO CPU DATA 2 BIT	75.40.01.0
15.60.03.1	15.70.03.1	-C E CH 1301 TO CPU 4 BIT -C F CH 1301 TO CPU 4 BIT	00.00.02.0	-C FILE TO CPU DATA 4 BIT	75.40.01.0
15.60.04.1	15.70.04.1	-C E CH 1301 TO CPU 8 BIT -C F CH 1301 TO CPU 8 BIT	00.00.02.0	-C FILE TO CPU DATA 8 BIT	75.40.01.0
15.60.05.1	15.70.05.1	-C E CH 1301 TO CPU A BIT -C F CH 1301 TO CPU A BIT	00.00.02.0	-C FILE TO CPU DATA A BIT	75.40.01.0
15.60.06.1	15.70.06.1	-C E CH 1301 TO CPU B BIT -C F CH 1301 TO CPU B BIT	00.00.02.0	-C FILE TO CPU DATA B BIT	75.40.01.0
15.60.07.1	15.70.07.1	-C E CH 1301 TO CPU C BIT -C F CH 1301 TO CPU C BIT	00.00.02.0	-C FILE TO CPU DATA C BIT	75.40.01.0
15.60.08.1	15.70.08.1	-C E CH 1301 TO CPU WM BIT -C F CH 1301 TO CPU WM BIT	00.00.02.0	-C FILE TO CPU DATA WM BIT	75.40.01.0
15.62.03.1	15.63.03.1	-C 1301 STROBE E CH -C 1301 STROBE F CH	00.00.02.0	-C FILE TO CPU DATA STROBE	75.40.01.0
19.10.08.1	19.10.08.1	-C ANY SEEK COMP E CH 1301 -C ANY SEEK COMP F CH 1301	00.00.02.0	-C FILE CPU SEEK COMPLETE	75.40.01.0
12.65.03.1	12.65.03.1	-C E CH COMP RESET TO 1301 -C F CH COMP RESET TO 1301	00.00.01.0	-C CPU TO FILE SYSTEM RST	75.40.00.0
13.42.11.1	13.67.03.1	-C E CH DISCON TO 1301 -C F CH DISCON TO 1301	00.00.01.0	-C CPU TO FILE DISCONNECT	75.40.00.0
13.50.07.1	13.64.05.1	-C UNIT SEL F E CH 1301 -C UNIT SEL F F CH 1301	00.00.01.0	-C FILE OP ONE	75.40.00.0
13.72.01.1	13.73.01.1	-C 1301 START GATE E CH -C 1301 START GATE F CH	00.00.01.0	-C CPU TO FILE FILE START	75.40.00.0
13.72.02.1	13.73.02.1	-C SEEK TEST OP E CH TO 1301 -C SEEK TEST OP F CH TO 1301	00.00.01.0	-C CPU TO FCU SEEK TEST	75.40.00.0
15.55.06.1	15.56.06.1	-C E CH UNIT C BIT 1301 -C F CH UNIT C BIT 1301	00.00.01.0	-C OP CODE C BIT	75.40.00.0
15.55.06.1	15.56.06.1	-C E CH UNIT 8 BIT 1301 -C F CH UNIT 8 BIT 1301	00.00.01.0	-C OP CODE 8 BIT	75.40.00.0
15.55.06.1	15.56.06.1	-C E CH UNIT 4 BIT 1301 -C F CH UNIT 4 BIT 1301	00.00.01.0	-C OP CODE 4 BIT	75.40.00.0
15.55.06.1	15.56.06.1	-C E CH UNIT 2 BIT 1301 -C F CH UNIT 2 BIT 1301	00.00.01.0	-C OP CODE 2 BIT	75.40.00.0
15.55.06.1	15.56.06.1	-C E CH UNIT 1 BIT 1301 -C F CH UNIT 1 BIT 1301	00.00.01.0	-C OP CODE 1 BIT	75.40.00.0
15.60.34.1	15.70.33.1	-C CPU TO E CH 1301 WM BIT -C CPU TO F CH 1301 WM BIT	00.00.01.0	-C CPU TO FILE DATA WM BIT	75.40.00.0
15.60.34.1	15.70.33.1	-C CPU TO E CH 1301 C BIT -C CPU TO F CH 1301 C BIT	00.00.01.0	-C CPU TO FILE DATA C BIT	75.40.00.0
15.60.33.1	15.70.32.1	-C CPU TO E CH 1301 8 BIT -C CPU TO F CH 1301 8 BIT	00.00.01.0	-C CPU TO FILE DATA 8 BIT	75.40.00.0
15.60.33.1	15.70.32.1	-C CPU TO E CH 1301 A BIT -C CPU TO F CH 1301 A BIT	00.00.01.0	-C CPU TO FILE DATA A BIT	75.40.00.0
15.60.32.1	15.70.32.1	-C CPU TO E CH 1301 8 BIT -C CPU TO F CH 1301 8 BIT	00.00.01.0	-C CPU TO FILE DATA 8 BIT	75.40.00.0
15.60.32.1	15.70.31.1	-C CPU TO E CH 1301 4 BIT -C CPU TO F CH 1301 4 BIT	00.00.01.0	-C CPU TO FILE DATA 4 BIT	75.40.00.0
15.60.31.1	15.70.31.1	-C CPU TO E CH 1301 2 BIT -C CPU TO F CH 1301 2 BIT	00.00.01.0	-C CPU TO FILE DATA 2 BIT	75.40.00.0
15.60.31.1	15.70.31.1	-C CPU TO E CH 1301 1 BIT -C CPU TO F CH 1301 1 BIT	00.00.01.0	-C CPU TO FILE DATA 1 BIT	75.40.00.0
15.62.01.1	15.63.01.1	-C INPUT OP TO 1301 E CH -C INPUT OP TO 1301 F CH	00.00.01.0	-C CPU TO FILE READ	75.40.00.0
15.62.01.1	15.63.01.1	-C OUTPUT OP TO 1301 E CH -C OUTPUT OP TO 1301 F CH	00.00.01.0	-C CPU TO FILE WRITE	75.40.00.0
15.62.02.1	15.63.02.1	-C LOAD MODE TO 1301 E CH -C LOAD MODE TO 1301 F CH	00.00.01.0	-C CPU TO FILE LOAD	75.40.00.0
13.74.04.1		-C SIMULATED GP MK WD MK		-C SIM GM WM	75.40.00.0
13.74.04.1		-C RECOVER 1311 ADDR		-C ADDR TO CPU	75.40.00.0
13.74.04.1	13.74.04.1	-C SCAN RESTART E CH -C SCAN RESTART F CH		-C SCAN REPEAT	75.40.00.0
13.74.05.1	13.74.05.1	-C 1311 COMPARE HI E CH -C 1311 COMPARE HI F CH		-C 1311 TO CPU SCAN RST HI	75.40.00.0
13.74.05.1	13.74.05.1	-C 1311 COMPARE EQ E CH -C 1311 COMPARE EQ F CH		-C 1311 TO CPU SCAN RST EQ	75.40.00.0
13.74.05.1	13.74.05.1	-C 1311 COMPARE LO E CH -C 1311 COMPARE LO F CH		-C 1311 TO CPU SCAN RST LO	75.40.00.0
12.65.11.1		-C 1401 MODE 1311		-C 1401 MODE	75.40.00.0
40.10.03.1	40.10.03.1	-C DISK WRITE NORMAL E CH -C DISK WRITE NORMAL F CH		-C DISK WRITE NORMAL	75.40.00.0
98.11.10.0	98.11.10.0	24 VAC EMERGENCY OFF 1311		24 VAC EMERGENCY OFF 1311	75.40.00.0
98.11.10.0	98.11.10.0	24 VAC COMMON 1311		24 VAC COMMON 1311	75.40.00.0
98.11.35.0	98.11.35.0	READY 1311 (NO)		READY 1311 (NO)	75.40.00.0
98.11.35.0	98.11.35.0	READY 1311 (C)		READY 1311 (C)	75.40.00.0
11.40.01.1	11.40.01.1	-C PROCESS TIME	00.00.01.0	-C PROCESS TIME	75.40.00.0
13.72.06.1		-C ADDR COMP TRUE E CH	00.00.02.0		
	13.72.07.1	-C ADDR COMP TRUE F CH	00.00.02.0		
13.72.06.1		-C FAST FILE ON LINE E CH	00.00.02.0		
	13.72.07.1	-C FAST FILE ON LINE E CH	00.00.02.0		

IF USING SYSTEM IS TIED TO A 7631 MOD III OR V AND IS DESIGNATED AS SYSTEM 2 REFERENCE PAGE 00.00.01.0 SHOULD BE 00.00.13.0 AND PAGE 00.00.02.0 SHOULD BE 00.00.14.0

INTERNATIONAL BUSINESS MACHINES CORP.												
NAME	SYSTEMS DIAGRAM 15.70.34.0					DATE	CHANGE NO.	DATE	CHANGE NO.	NOTE	DEVELOPMENT NO.	5319258
DESIGN	WM		MODEL			8-29-62	251809			X PRINT TO ENG. SPEC. NO. 895291		
DETAIL						1-24-63	251829					
CHECK			DRAW	GT	8-17-62	9-13-63	253259					
APPRO			CHECK	RB	8-17-62	2-1-64	253150				15.70.34.0	

S.cd., no 5700

5319257

15.70.35.0

REFERENCE PAGE 1410 TO 1405

FROM 1410				TO 1405
E CHAN	F CHAN	NAME	PAGE	NAME
12.62.01.1	13.66.05.1	-C 1405 READY E CH -C 1405 READY F CH	75.82.11.0	-C READY
12.62.01.1	13.66.05.1	-C 1405 BUSY E CH -C 1405 BUSY F CH	75.82.11.0	-C BUSY
12.62.03.1	13.66.01.1	-C 1405 ERROR E CH -C 1405 ERROR F CH	75.82.11.0	-C DATA CHECK
12.62.03.1	13.66.01.1	-C 1405 CONDITION E CH -C 1405 CONDITION F CH	75.82.11.0	-C EXT COND
12.62.03.1	13.66.01.1	-C RBC ERROR 1405 E CH -C RBC ERROR 1405 F CH	75.82.11.0	-C RBC ERROR
13.42.11.1	13.67.03.1	-C 1405 END OF OP E CH -C 1405 END OF OP F CH	75.82.11.0	-C END OP
13.65.02.1	13.65.02.1	-C FILE INVALID ADDR	75.82.11.0	-C FILE ADDR INVALID
13.74.02.1	13.74.02.1	-C E CH FILE DIGIT RING 7 -C F CH FILE DIGIT RING 7	75.82.11.0	-C DIGIT 7
15.60.01.1	15.70.01.1	-C E CH 1405 TO CPU 1 BIT -C F CH 1405 TO CPU 1 BIT	75.82.11.0	-C RD BIT 1
15.60.02.1	15.70.02.1	-C E CH 1405 TO CPU 2 BIT -C F CH 1405 TO CPU 2 BIT	75.82.11.0	-C RD BIT 2
15.60.03.1	15.70.03.1	-C E CH 1405 TO CPU 4 BIT -C F CH 1405 TO CPU 4 BIT	75.82.11.0	-C RD BIT 4
15.60.04.1	15.70.04.1	-C E CH 1405 TO CPU 8 BIT -C F CH 1405 TO CPU 8 BIT	75.82.11.0	-C RD BIT 8
15.60.05.1	15.70.05.1	-C E CH 1405 TO CPU A BIT -C F CH 1405 TO CPU A BIT	75.82.11.0	-C RD BIT A
15.60.06.1	15.70.06.1	-C E CH 1405 TO CPU B BIT -C F CH 1405 TO CPU B BIT	75.82.11.0	-C RD BIT B
15.60.07.1	15.70.07.1	-C E CH 1405 TO CPU C BIT -C F CH 1405 TO CPU C BIT	75.82.11.0	-C RD BIT C
15.60.08.1	15.70.08.1	-C E CH 1405 TO CPU WM BIT -C F CH 1405 TO CPU WM BIT	75.82.11.0	-C RD BIT WM
15.62.03.1	15.63.03.1	-C 1405 STROBE E CH -C 1405 STROBE F CH	75.82.11.0	-C DATA STROBE
19.10.08.1	19.10.08.1	-C ANY SEEK COMP E CH 1405 -C ANY SEEK COMP F CH 1405	75.82.11.0	-C ANY SEEK COMPLETE
12.65.03.1	12.65.03.1	-C E CH COMP RESET TO 1405 -C F CH COMP RESET TO 1405	75.82.01.0	-C CPU RESET
12.65.11.1		-C 1401 MODE TO 1405	75.82.01.0	-C 1401 MODE
13.42.11.1	13.67.03.1	-C E CH DISCON TO 1405 -C F CH DISCON TO 1405	75.82.01.0	-C CPU DISCONNECT
13.50.07.1	13.64.05.1	-C UNIT SEL F E CH 1405 -C UNIT SEL F F CH 1405	75.82.01.0	-C CPU F OP
13.63.03.1	13.66.06.1	-C W.L.R. TO FILE E CH -C W.L.R. TO FILE F CH	75.82.01.0	-C CPU W.L.R.
13.72.01.1	13.73.01.1	-C 1405 START GATE E CH -C 1405 START GATE F CH	75.82.01.0	-C FILE START GATE
13.72.02.1	13.73.02.1	-C SEEK TEST OP E CH TO 1405 -C SEEK TEST OP E CH TO 1405	75.82.01.0	-C SEEK TEST OP
13.72.02.1	13.73.02.1	-C FILE STROBE 1ST ADDR E CH -C FILE STROBE 1ST ADDR F CH	75.82.01.0	-C CPU ADDR STROBE 1
13.72.02.1	13.73.02.1	-C FILE STROBE 2ND ADDR E CH -C FILE STROBE 2ND ADDR F CH	75.82.01.0	-C CPU ADDR STROBE 2
13.72.02.1	13.73.02.1	-C FILE DIGIT ADVANCE E CH -C FILE DIGIT ADVANCE F CH	75.82.01.0	-C CPU DIG RING ADV
13.72.02.1	13.73.02.1	-C FILE ADDR TRF GATE E CH -C FILE ADDR TRF GATE F CH	75.82.01.0	-C CPU ADDR XFER GATE
13.72.03.1	13.73.03.1	-C E CH RBCI RESET 1405 -C F CH RBCI RESET 1405	75.82.01.0	-C RBCI RST
15.55.04.1	15.56.04.1	-C SEEK E CH 1405 -C SEEK F CH 1405	75.82.01.0	-C CPU SEEK
15.55.04.1	15.56.04.1	-C SINGLE REC E CH TO 1405 -C SINGLE REC F CH TO 1405	75.82.01.0	-C CPU REC OP
15.55.04.1	15.56.04.1	-C FULL TRACK WITHOUT IA 1405 -C FULL TRACK WITHOUT IA 1405	75.82.01.0	-C CPU TRK OP
15.55.05.1	15.56.05.1	-C WRITE CHECK E CH TO 1405 -C WRITE CHECK F CH TO 1405	75.82.01.0	-C CPU RBC OP
15.55.05.1	15.56.05.1	-C WRITE ADDR E CH TO 1405 -C WRITE ADDR F CH TO 1405	75.82.01.0	-C CPU ADDR OP
15.60.34.1	15.70.33.1	-C CPU TO E CH 1405 WM BIT -C CPU TO F CH 1405 WM BIT	75.82.01.0	-C CPU W BIT
15.60.34.1	15.70.33.1	-C CPU TO E CH 1405 C BIT -C CPU TO F CH 1405 C BIT	75.82.01.0	-C CPU C BIT
15.60.33.1	15.70.32.1	-C CPU TO E CH 1405 B BIT -C CPU TO F CH 1405 B BIT	75.82.01.0	-C CPU B BIT
15.60.33.1	15.70.32.1	-C CPU TO E CH 1405 A BIT -C CPU TO F CH 1405 A BIT	75.82.01.0	-C CPU A BIT
15.60.32.1	15.70.32.1	-C CPU TO E CH 1405 8 BIT -C CPU TO F CH 1405 8 BIT	75.82.01.1	-C CPU 8 BIT
15.60.32.1	15.70.31.1	-C CPU TO E CH 1405 4 BIT -C CPU TO F CH 1405 4 BIT	75.82.01.1	-C CPU 4 BIT
15.60.31.1	15.70.31.1	-C CPU TO E CH 1405 2 BIT -C CPU TO F CH 1405 2 BIT	75.82.01.1	-C CPU 2 BIT
13.60.31.1	15.70.31.1	-C CPU TO E CH 1405 1 BIT -C CPU TO F CH 1405 1 BIT	75.82.01.1	-C CPU 1 BIT
15.62.01.1	15.63.01.1	-C OUTPUT OP TO 1405 E CH -C OUTPUT OP TO 1405 F CH	75.82.01.1	-C CPU WR OP
15.62.01.1	15.63.01.1	-C INPUT OP TO 1405 E CH -C INPUT OP TO 1405 F CH	75.82.01.1	-C CPU RD OP
15.62.02.1	15.63.02.1	-C LOAD MODE TO 1405 E CH -C LOAD MODE TO 1405 F CH	75.82.01.1	-C CPU LOAD OP
19.10.08.1	19.10.08.1	-C DISK WRITE NORMAL E CH -C DISK WRITE NORMAL F CH	75.82.01.1	-C DISK WR NORMAL
11.40.01.1	11.40.01.1	-C PROCESS TIME	75.82.01.0	-C PROCESS TIME

INTERNATIONAL BUSINESS MACHINES CORP.					
NAME	SYSTEMS DIAGRAM 15.70.35.0				
DESIGN	WM		MODEL		
DETAIL					
CHECK			DRAW	GT	8-16-62
APPRO			CHECK	RCB	8-17-62

DATE	CHANGE NO.	DATE	CHANGE NO.
8-29-62	251809		
9-13-63	253259		

NOTE
X PRINT TO ENG. SPEC. NO.
895291

DEVELOPMENT NO.

15.70.35.0

5319257